

Section A of Exhibit 5.3.4

List of FTTH, OLTs and ONTs access networks

Asset	Description of the Property, Plant and Equipment	Class	Class Description	Company	Bookkeeping value (millions of BRL)
OLT	Acesso - Cabo Óptico Subterrâneo	ZGCBOPST	Access - Underground Optic Cable	SMPE	4.09
OLT	BASTIDOR P/ DSLAM 7302 ALCATEL	ZPSOBRES	Spare Equipment - OI	SMPE	0.00
OLT	Centr Comut.Digital	ZPMSC	Digital Commutation Center	SMPE	0.00
OLT	Contr. Material Serviço/ALCATEL	ZPINFSOF	General Use - Information Technology: Software	SMPE	-
OLT	Contr. Material Serviço/ALCATEL	ZPROTATM	ET - ATM Router	SMPE	0.09
OLT	Contr. Material Serviço/ALCATEL LUCENT B	ZPMSC	Digital Commutation Center	SMPE	0.00
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZGETAD01	Transmission Equipment-ADD-DROP Multiplexer-30	SMPE	12.22
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZGETMP01	Transmission Equipment-MUX Digital-PDH-30	SMPE	0.06
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPBTS	BTS Base Radio Station	SMPE	0.70
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPEQSRED	Network Supervision Equipment	SMPE	0.37
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPIPGTW	GATEWAY HOME EQUIPMENT - IPTV	SMPE	1.26

OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPMSC	Digital Commutation Center	SMPE	0.02
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPROTATM	ET - ATM Router	SMPE	0.00
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPSOBRES	Spare Equipment - OI	SMPE	0.03
OLT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPSVGPRS	GPRS Server (General Package Radio Service)	SMPE	0.04
OLT	Contr. Material Serviço/HUAWEI DO BRASIL	ZPEQSRED	Network Supervision Equipment	SMPE	0.26
OLT	Contr. Material Serviço/HUAWEI SERVIÇOS	ZGETMP01	Transmission Equipment-MUX Digital-PDH-30	SMPE	0.00
OLT	Contr. Material Serviço/HUAWEI SERVIÇOS	ZPDECOTV	DTH Decoder Equipment	SMPE	1.78
OLT	Contr. Material Serviço/HUAWEI SERVIÇOS	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.29
OLT	Contr. Material Serviço/NOKIA	ZPFERINS	General Use - Tooling/Hardware	SMPE	0.04
OLT	Contr. Material Serviço/NOKIA	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.22
OLT	Contr. Material Serviço/NOKIA SOLUTIONS	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.01
OLT	EQUIP. DE ENERGIA	ZPEQENER	Energy Equipment	SMPE	0.00

OLT	EQUIP. ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.47
OLT	Equipamento de Supervisão de Rede	ZPEQSRED	Network Supervision Equipment	SMPE	6.39
OLT	Equipamento Transmissão-ADD-DROP Multiplexer-30	ZGETAD01	Transmission Equipment-ADD-DROP Multiplexer-30	SMPE	146.50
OLT	Equipamento Transmissão-MUX Digital-PDH-30	ZGETMP01	Transmission Equipment-MUX Digital-PDH-30	SMPE	0.09
OLT	Equipamento Transmissão-Radio Digital-PDH-30	ZGETRP01	Transmission Equipment-Digital Radio-PDH-30	SMPE	0.01
OLT	EQUIPAMENTOS ONT - IPTV	ZPIPGTW	GATEWAY HOME EQUIPMENT - IPTV	SMPE	1.43
OLT	EQUIPAMENTOS ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.67
OLT	Equipto Sobres - OI	ZPSOBRES	Spare Equipment - OI	SMPE	0.26
OLT	EQUIPTO SOBRES - SMPE	ZPSOBRES	Spare Equipment - OI	SMPE	0.10
OLT	EQUIPTO SOBRES - SMPE	ZPSOBRES	Spare Equipment - OI	SMPE	0.06
OLT	EQUIPTO TRANSMISSÃO - SATÉLITE	ZPSATEL	Spare Equipment - Satellite	SMPE	0.01
OLT	Equipto. Sobressalentes - OI	ZPSOBRES	Spare Equipment - OI	SMPE	1.48
OLT	Estação Rádio Base BTS	ZPBTS	BTS Base Radio Station	SMPE	5.74
OLT	ET - EQUIP MODEM OPT	ZPPTOPDH	Transmission Equipment - Optic Modem Equipment	SMPE	0.00
OLT	ET - Roteador ATM	ZPROTATM	ET - ATM Router	SMPE	1.37

OLT	ET - Roteador ATM	ZPROTATM	ET - ATM Router	SMPE	0.07
OLT	ET-ADD-DROP Mltpx-30	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	93.07
OLT	ET-ADD-DROP Mltpx-30	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	24.07
OLT	ET-MUXDigital-PDH30	ZGETMP01	Transmission Equipment- MUX Digital-PDH-30	SMPE	0.16
OLT	ET-RadDigital-PDH-30	ZGETRP01	Transmission Equipment- Digital Radio-PDH-30	SMPE	0.00
OLT	GER.EQUIPTOS: EQUIPTO CENTRALIZ DE SUPERV/GERENCIA	ZPEQSRED	Network Supervision Equipment	SMPE	2.25
OLT	Informática - PCS	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	0.02
OLT	Informática - softwa	ZPINFSOF	General Use - Information Technology: Software	SMPE	1.86
OLT	LICENÇA USO SOFTWARE CMNCC DADOS	ZPINFSOF	General Use - Information Technology: Software	SMPE	-
OLT	Meio de Transmissão - Cabo Óptico Subterrâneo	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	2.02
OLT	MÓDULO ÓPTICO GPON SFP OLT Class B+	ZPSOBRES	Spare Equipment - OI	SMPE	0.00

OLT	MÓDULO ÓPTICO SFP 10GE LX SM 13101NM LC	ZPSOBRES	Spare Equipment - OI	SMPE	0.00
OLT	MÓDULO ÓPTICO SFP 10GE SX SM 850NM LC	ZPSOBRES	Spare Equipment - OI	SMPE	-
OLT	MT - Cabo Optico Aéreo/subterraneo/predial	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	2.05
OLT	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	1.05
OLT	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.14
OLT	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
OLT	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.03
OLT	PLACA ACESSO 8PTS GPON - OLT	ZPSOBRES	Spare Equipment - OI	SMPE	0.00
OLT	PLACA CONTROLE OLT 320GBPS	ZPSOBRES	Spare Equipment - OI	SMPE	0.00
OLT	RA-CABO OP AÉREO-30	ZGACBA01	Access Network - Aerial Optic Cable-30	SMPE	1.87
OLT	Roteador ATM	ZPROTATM	ET - ATM Router	SMPE	0.20
OLT	Servidor GPRS (Serviços Gerais de Rádio por Pacote)	ZPSVGPRS	GPRS Server (General Package Radio Service)	SMPE	11.20

OLT	Servidor GPRSital	ZPSVGPRS	GPRS Server (General Package Radio Service)	SMPE	2.12
OLT	Servidor GPRSital	ZPSVGPRS	GPRS Server (General Package Radio Service)	SMPE	2.19
OLT	SOFTWARE DSLAM ALCATEL	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.10
OLT	SUB BAST GPON HUAWEI 5800X17272 PAYG	ZGETAD01	Transmission Equipment-ADD-DROP Multiplexer-30	SMPE	0.23
OLT	USO GERAL - INFORMÁTICA	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	6.84
OLT	USO GERAL - INFORMÁTICA	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	1.49
OLT	USO GERAL - INFORMÁTICA - EMPRESA PCS	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	1.56
OLT	Uso Geral - Informática: Software	ZPINFSOF	General Use - Information Technology: Software	SMPE	23.39
OLT	Uso Geral - Informática: Software	ZPINFSOF	General Use - Information Technology: Software	SMPE	2.13
ONT	AERE/ALCATEL-LUCENT BRASI	ZPROTATM	ET - ATM Router	SMPE	0.06
ONT	AERE/ALCATEL-LUCENT BRASI	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
ONT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPIPGTW	GATEWAY HOME EQUIPMENT - IPTV	SMPE	0.15
ONT	Contr. Material Serviço/ALCATEL-LUCENT B	ZPROTATM	ET - ATM Router	SMPE	6.33

ONT	Contr. Material Serviço/HUAWEI DO BRASIL	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.01
ONT	EQUIP. ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	71.32
ONT	EQUIP. ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	12.25
ONT	EQUIPAMENTOS ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	124.55
ONT	ET - Roteador ATM	ZPROTATM	ET - ATM Router	SMPE	195.81
ONT	ET - Roteador ATM	ZPROTATM	ET - ATM Router	SMPE	42.02
ONT	ONT 240W-C DUAL BAND NOKIA 2GHZ/5GHZ	ZPROTATM	ET - ATM Router	SMPE	8.02
ONT	Roteador ATM	ZPROTATM	ET - ATM Router	SMPE	39.23
EXTERNAL NETWORK	(IPA- CDOI-9314)	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	A1-00002-FTTH-BOT-RJ	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	A1-00005-FTTH-BTJ-RJ	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	A1-0002-2012-FTTH-CQ-ALV-RJ	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	A1-05059-2017-FT-ICI-RJ-RC-1/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.00
EXTERNAL NETWORK	A1-05060-2017-FT-ICI-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.03
EXTERNAL NETWORK	A1-05602-2017-FT-ICI-RJ/SEREDE-RC1/SUBT	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.03

EXTERNAL NETWORK	A1-05908-2017-FTTH-BTJ-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	A1-05908-2017-FTTH-BTJ-RJ-RC-1/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	A1-29320-2019-FTTH-BES-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29321-2019-FTTH-JUO-BA	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	A1-29322-2019-FTTH-BDEA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29323-2019-FTTH-CPIS-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29324-2019-FTTH-ROMA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29325-2019-FTTH-GOVS-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29326-2019-FTTH-JEE-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29327-2019-FTTH-VCA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29364-2019-FTTH-BES-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29365-2019-FTTH-JUO-BA	ZGETRS01	Transmission Equipment- Digital Radio-SDH-30	SMPE	0.01
EXTERNAL NETWORK	A1-29366-2019-FTTH-BDEA-BA	ZGETRP01	Transmission Equipment- Digital Radio-PDH-30	SMPE	0.01
EXTERNAL NETWORK	A1-29367-2019-FTTH-CPIS-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29368-2019-FTTH-ROMA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29369-2019-FTTH-GOVS-BA	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	A1-29370-2019-FTTH-JEE-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29371-2019-FTTH-VCA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-29372-2019-FTTH-VSDA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30773-2019-FTTH-BRRR-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30774-2019-FTTH-CTOS-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30775-2019-FTTH-IGAW-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30853-2019-FTTH-BDEA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30854-2019-FTTH-BES-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30855-2019-FTTH-BRRR-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30856-2019-FTTH-CPIS-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30857-2019-FTTH-IGAW-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30858-2019-FTTH-JUO-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30859-2019-FTTH-ROMA-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30860-2019-FTTH-BRRR-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30861-2019-FTTH-CTOS-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	A1-30862-2019-FTTH-IGAW-BA	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	Acesso - Cabo Óptico Subterrâneo	ZGCBOPST	Access - Underground Optic Cable	SMPE	0.92
EXTERNAL NETWORK	Acesso - Cabo Óptico Subterrâneo	ZGCBOPST	Access - Underground Optic Cable	SMPE	0.41

EXTERNAL NETWORK	Acesso - Cabo Óptico Subterrâneo	ZGCBOPST	Access - Underground Optic Cable	SMPE	0.53
EXTERNAL NETWORK	Acesso - Cabo Óptico Subterrâneo	ZGCBOPST	Access - Underground Optic Cable	SMPE	26.50
EXTERNAL NETWORK	Acesso - Cabo Óptico Subterrâneo	ZGCBOPST	Access - Underground Optic Cable	SMPE	0.10
EXTERNAL NETWORK	Acesso - Cabo Óptico Subterrâneo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-01673-2016-FTTH-LEM-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-01673-2016-FTTH-LEM-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-02714-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-02906-2017-FT-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	AERE/A1-02907-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-02927-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-02927-2017-FTTH-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	AERE/A1-02937-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02

EXTERNAL NETWORK	AERE/A1-03188-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	AERE/A1-03189-2017-FT-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	AERE/A1-03190-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	AERE/A1-03191-2017-FT-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-03191-2017-FT-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-03192-2017-FT-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-03192-2017-FT-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-03428-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	AERE/A1-03429-2017-FT-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	AERE/A1-03434-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-03435-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05

EXTERNAL NETWORK	AERE/A1-03436-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-03438-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-03439-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-03440-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	AERE/A1-03441-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	AERE/A1-03442-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	AERE/A1-03444-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-03445-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	AERE/A1-03478-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	AERE/A1-03479-2017-FT-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-03480-2017-FT-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	AERE/A1-03481-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08

EXTERNAL NETWORK	AERE/A1-03482-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	AERE/A1-03483-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	AERE/A1-03913-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	AERE/A1-04321-2017-FTTH-VIT-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	AERE/A1-04515-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-04898-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-04940-2017-FTTH-ARC-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05057-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05061-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05065-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05187-2017-FT-VITE-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05188-2017-FT-VITE-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/A1-05603-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05604-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05608-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05610-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05841-2017-FT-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-05842-2017-FT-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-06076-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07903-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07904-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07907-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07908-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07909-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/A1-07910-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07913-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07914-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07915-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07916-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	AERE/A1-07917-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07920-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-07921-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08265-2017-FTTH-BOT-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08564-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08565-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08566-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/A1-08568-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08569-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08571-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08572-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08573-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08575-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08577-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08578-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08579-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08582-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-08583-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08943-2018-FTTH-ITPU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01

EXTERNAL NETWORK	AERE/A1-08993-2017-FTTH-PDAL-RJ/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-08993-2017-FTTH-PDAL-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09060-2018-FTTH-ITPU-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.28
EXTERNAL NETWORK	AERE/A1-09255-2017-FTTH-PTS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-09347-2017-FT-BOT-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09565-2017-FTTH-PTS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09567-2017-FTTH-PTS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09569-2017-FTTH-PTS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09613-2018-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-09614-2018-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-09615-2018-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-09618-2018-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01

EXTERNAL NETWORK	AERE/A1-09619-2018-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09871-2018-FTTH-BTJ-RJ/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09871-2018-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09892-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09894-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09904-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09905-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09907-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09910-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09911-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-09917-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/A1-09918-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-10267-2017-FTTH-NLP-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	1.26
EXTERNAL NETWORK	AERE/A1-10343-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-10346-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-10347-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-10348-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-10349-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-10350-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-10351-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-10357-2017-FTTH-NLP-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	AERE/A1-10364-2017-FT-NLP-RJ/SEREDE	ZPDECOTV	DTH Decoder Equipment	SMPE	1.64
EXTERNAL NETWORK	AERE/A1-10477-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/A1-16145-2018-FTTH-CGD-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-16152-2018-FTTH-CGD-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-16482-2018-FTTH-CGD-RJ/SEREDE	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-17340-2018-FTTH-NIU-RJ/SEREDE	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.07
EXTERNAL NETWORK	AERE/A1-17657-2018-FTTH-ITPV-RJ/SEREDE	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-18699-2019-FTTH-CGD-RJ/SEREDE	ZPDECOTV	DTH Decoder Equipment	SMPE	3.56
EXTERNAL NETWORK	AERE/A1-18726-2019-FTTH-ENN-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-18734-2019-FTTH-ENN-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-19751-2019-FTTH-UNAR-RJ	ZPEQENER	Energy Equipment	SMPE	0.02
EXTERNAL NETWORK	AERE/A1-19893-2018-FTTH-NLP-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.10
EXTERNAL NETWORK	AERE/A1-20363-2019-FTTH-UNAR-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-22011-2019-FTTH-ENN-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/A1-22013-2019-FTTH-ENN-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-22014-2019-FTTH-ENN-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	AERE/A1-22279-2019-FTTH-UNAR-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	AERE/A1-24400-2019-FTTH-NLP-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-28495-2019-FTTH-END-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.02
EXTERNAL NETWORK	AERE/A1-28977-2019-FTTH-RETK-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.83
EXTERNAL NETWORK	AERE/A1-30007-2019-FTTH-JDAR-RJ/SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-30015-2019-FTTH-CPS-RJ/SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-30133-2019-FTTH-LEB-RJ/SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	AERE/A1-8124-2018-FTTH-CVI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/ARM	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	AERE/FURUKAWA	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/FURUKAWA INDUSTRIAL	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/FURUKAWA INDUSTRIAL	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	AERE/HUAWEI DO BRASIL TEL	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.66
EXTERNAL NETWORK	AERE/LOGICTEL	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.11
EXTERNAL NETWORK	AERE/POC - ARCOS/FTTH/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.04
EXTERNAL NETWORK	AERE/REDE CONECTA	ZGEQEN01	Energy Equipment-30	SMPE	0.01
EXTERNAL NETWORK	AERE/REDE CONECTA	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.00
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPBTS	BTS Base Radio Station	SMPE	1.21
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPDECOTV	DTH Decoder Equipment	SMPE	0.65
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPEQENER	Energy Equipment	SMPE	0.06

EXTERNAL NETWORK	AERE/REDE CONECTA	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	0.01
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	1.70
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPROTATM	ET - ATM Router	SMPE	0.02
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.37
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	1.13
EXTERNAL NETWORK	AERE/REDE CONECTA	ZPTOR040	Infrastructure: Towers 40m	SMPE	0.20
EXTERNAL NETWORK	AERE/REDE CONECTA-FTTH-CRE 5843	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	AERE/REDE CONECTA-FTTH-CRE 5844	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	AERE/REDE CONECTA-FTTH-CRE 5844	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.01
EXTERNAL NETWORK	AERE/REDE CONECTA-FTTH-CRE 5844	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	AERE/SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	AERE/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	1.38
EXTERNAL NETWORK	AERE/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	AERE/TELEMONT - FTTH-CRE 108024	ZPBTS	BTS Base Radio Station	SMPE	0.01

EXTERNAL NETWORK	AERE/TELEMONT-FTTH-CRE 106124	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	AERE/TELEMONT-FTTH-CRE 106216	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	AERE/TELEMONT-FTTH-CRE 106217	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	AERE/TELEMONT-FTTH-CRE 106218	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	BASTIDOR LATERAL P/CABOS 300MM PHB	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.22
EXTERNAL NETWORK	BASTIDOR LATERAL P/JAMPERS 300MM PHB	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.07
EXTERNAL NETWORK	Cabo Opt. Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.11
EXTERNAL NETWORK	CABO OPTIC DP G657 E/I 1F FIG8 TAP 200M	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	1.34
EXTERNAL NETWORK	CABO OPTICO CFOA-SM-DD-G-72	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	5.83
EXTERNAL NETWORK	CABO OPTICO CFOA-SM-DD-S-72	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.52
EXTERNAL NETWORK	CABO TEL OPT CFOA-SM-AS-200-TS-36 AEREO	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CABO TEL OPT CFOA-SM-AS-80-TS-48 AEREO	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	7.02

EXTERNAL NETWORK	CABO TEL OPT CFOA-SM-DD-S-288 SUBTERR	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	7.02
EXTERNAL NETWORK	CABO TEL OPT CFOA-SM-DD-S-72 SUBTERR 72F	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.15
EXTERNAL NETWORK	CABO TEL OPT CFOI-BLI-EO-08 INT 8F	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.20
EXTERNAL NETWORK	CABOS TELEFÔNICOS FIBRA ÓPTICA	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.60
EXTERNAL NETWORK	CAIXA DIST OPT CDOE-48F/16DROP CORD LINE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.01
EXTERNAL NETWORK	CAIXA DIST OPT CDOI-48ADAP-SC/APC PRED	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.10
EXTERNAL NETWORK	CAIXA DIST OPT CDOI-96ADAP-SC/APC PRED	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.15
EXTERNAL NETWORK	CAIXA DIST OPT CDOIA-ATE-12F INTERNA	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	CONECTOR OPTICO SC/APC MONTAGEM EM CAMPO	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.04
EXTERNAL NETWORK	Contr. Material Serviço/102395	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03

EXTERNAL NETWORK	Contr. Material Serviço/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	Contr. Material Serviço/TELEMONT	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	Contr. Material Serviço/TELEMONT	ZPEQENER	Energy Equipment	SMPE	0.03
EXTERNAL NETWORK	Contr. Material Serviço/TELEMONT	ZPROTATM	ET - ATM Router	SMPE	0.14
EXTERNAL NETWORK	Contr. Material Serviço/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.38
EXTERNAL NETWORK	Contr. Material Serviço/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	CRE 107776/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 107777/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 107778/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 107779/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 107780/MG - FTTH	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.03
EXTERNAL NETWORK	CRE 107782/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	CRE 107785/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03

EXTERNAL NETWORK	CRE 107787/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 107790/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 107791/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 107792/MG	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 107793/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 108062/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 108063/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 108130/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 108131/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 108132/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 108133/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 108134/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03

EXTERNAL NETWORK	CRE 108135/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 108136/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 108137/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 108138/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 108139/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 108140/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 108143/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 108144/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 108157/MG - FTTH	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.00
EXTERNAL NETWORK	CRE 108157/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	CRE 108289/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.08
EXTERNAL NETWORK	CRE 108321/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.08
EXTERNAL NETWORK	CRE 109123/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.05

EXTERNAL NETWORK	CRE 109124/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.04
EXTERNAL NETWORK	CRE 109125/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.04
EXTERNAL NETWORK	CRE 109341/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.05
EXTERNAL NETWORK	CRE 109343/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.03
EXTERNAL NETWORK	CRE 109346/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 109348/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 109349/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109351/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109613/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	CRE 109614/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109615/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109616/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109617/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03

EXTERNAL NETWORK	CRE 109618/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109619/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109825/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109826/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	CRE 109859/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	CRE 109860/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	CRE 109861/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 109862/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	CRE 109863/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 110131/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 110133/MG - FTTH	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.03
EXTERNAL NETWORK	CRE 110135/MG - FTTH	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.03

EXTERNAL NETWORK	CRE 112077	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 112078	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 112079	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 112083	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 112084	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 112087	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 116082/MG - MELHORIA DE REDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.18
EXTERNAL NETWORK	CRE 118277/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	CRE 124855/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 124856/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	CRE 126040/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 126575/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	CRE 126576/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 128042/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 128058/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 128059/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 128060/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129013/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129014/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129015/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129016/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129167/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129168/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129169/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	CRE 129171/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129175/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.16
EXTERNAL NETWORK	CRE 129177/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 129179/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	12.64
EXTERNAL NETWORK	CRE 129180/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 129197/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129198/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129200/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129201/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129202/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129203/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	CRE 129208/MG - FTTH - FIBER TO THE HOME	ZGETRP01	Transmission Equipment-Digital Radio-PDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 129209/MG - FTTH - FIBER TO THE HOME	ZGETRP01	Transmission Equipment-Digital Radio-PDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 129210/MG - FTTH - FIBER TO THE HOME	ZGETRS01	Transmission Equipment-Digital Radio-SDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 129225/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.10
EXTERNAL NETWORK	CRE 129226/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	CRE 129227/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 129228/MG - FTTH - FIBER TO THE HOME	ZPDECOTV	DTH Decoder Equipment	SMPE	1.53
EXTERNAL NETWORK	CRE 129229/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 129231/MG - FTTH - FIBER TO THE HOME	ZGETRS01	Transmission Equipment-Digital Radio-SDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 129232/MG - FTTH - FIBER TO THE HOME	ZGETRS01	Transmission Equipment-Digital Radio-SDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 129233/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	CRE 129406/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 129407/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 129408/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 129409/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	CRE 129410/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129411/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129412/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 129413/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 129955/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 130566/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 130568/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00

EXTERNAL NETWORK	CRE 130825/MG - FTTH - FIBER TO THE HOME	ZGETRS01	Transmission Equipment-Digital Radio-SDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 130858/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 130859/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 130860/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.01
EXTERNAL NETWORK	CRE 130862/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 130865/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 131125/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 131126/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 131128/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 131129/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01

EXTERNAL NETWORK	CRE 131130/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 131131/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 131132/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131141/MG - FTTH - FIBER TO THE HOME	ZGETRS01	Transmission Equipment-Digital Radio-SDH-30	SMPE	0.00
EXTERNAL NETWORK	CRE 131142/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131143/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131144/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131145/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131388/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 131449/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 131497/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00

EXTERNAL NETWORK	CRE 131498/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 131499/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 131500/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 131526/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 131527/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 131530/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 131752/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	CRE 131917/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131918/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131968/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 131969/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	CRE 131976/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 131989/MG - FTTH - FIBER TO THE HOME	ZPSVGPRS	GPRS Server (General Package Radio Service)	SMPE	0.07
EXTERNAL NETWORK	CRE 131990/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 132071/MG - FTTH - FIBER TO THE HOME	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 132073/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 132075/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 132083/MG - FTTH - FIBER TO THE HOME	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.62
EXTERNAL NETWORK	CRE 132086/MG - FTTH - FIBER TO THE HOME	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	CRE 132094/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 132096/MG - FTTH - FIBER TO THE HOME	ZPDECOTV	DTH Decoder Equipment	SMPE	1.11
EXTERNAL NETWORK	CRE 132097/MG - FTTH - FIBER TO THE HOME	ZPSVGPRS	GPRS Server (General Package Radio Service)	SMPE	0.00

EXTERNAL NETWORK	CRE 132098/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 132099/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 132101/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 132102/MG - FTTH - FIBER TO THE HOME	ZPDECOTV	DTH Decoder Equipment	SMPE	0.38
EXTERNAL NETWORK	CRE 132103/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	CRE 132248/MG - FTTH - FIBER TO THE HOME	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	0.02
EXTERNAL NETWORK	CRE 132249/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	CRE 132250/MG - FTTH - FIBER TO THE HOME	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	0.01
EXTERNAL NETWORK	CRE 132251/MG - FTTH - FIBER TO THE HOME	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	0.01
EXTERNAL NETWORK	CRE 132306/MG - FTTH - FIBER TO THE HOME	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	CRE 132307/MG - FTTH - FIBER TO THE HOME	ZGETRP01	Transmission Equipment- Digital Radio-PDH-30	SMPE	0.01

EXTERNAL NETWORK	CRE 132308/MG - FTTH - FIBER TO THE HOME	ZGETRP01	Transmission Equipment-Digital Radio-PDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 132553/MG - FTTH - FIBER TO THE HOME	ZGETRP01	Transmission Equipment-Digital Radio-PDH-30	SMPE	0.01
EXTERNAL NETWORK	CRE 134409/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134410/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134411/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134479/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134480/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134481/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	CRE 134482/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134483/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134484/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	CRE 134485/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134486/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134487/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134488/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134606/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134607/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134608/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134609/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134612/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 134941/MG - FTTH - FIBER TO THE HOME	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	CRE 31047/MG – FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.03
EXTERNAL NETWORK	CRE 90279/MG - FTTH	ZPBTS	BTS Base Radio Station	SMPE	0.29

EXTERNAL NETWORK	CRE 90279/MG - FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.58
EXTERNAL NETWORK	CRE 90279/MG - FTTH	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.29
EXTERNAL NETWORK	CRE_109259_FTTH REUSO POUSO ALEGRE	ZPBTS	BTS Base Radio Station	SMPE	0.86
EXTERNAL NETWORK	Entrega para TI	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.00
EXTERNAL NETWORK	Entrega Planejamento	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.00
EXTERNAL NETWORK	EQUIP. ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.07
EXTERNAL NETWORK	Equipamento Transmissão-ADD-DROP Multiplexer-30	ZGETAD01	Transmission Equipment-ADD-DROP Multiplexer-30	SMPE	0.01
EXTERNAL NETWORK	EQUIPAMENTOS ONT - IPTV	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	1.84
EXTERNAL NETWORK	Estação Rádio Base BTS	ZPBTS	BTS Base Radio Station	SMPE	0.04
EXTERNAL NETWORK	ET-ADD-DROP Mltpx-30	ZGETAD01	Transmission Equipment-ADD-DROP Multiplexer-30	SMPE	0.16
EXTERNAL NETWORK	EXP/BARRA DA TIJUCA/TX/A1-0002-FTTH-CQ/T	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	EXP/BEL/TX/SALA_GPON_FTTH-/FURUKAWA	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	EXP/BTJ/TX/A1-00008-2012-FTTH-BTJ-RJ	ZPBTS	BTS Base Radio Station	SMPE	0.00

EXTERNAL NETWORK	EXP/LEBLON/TX/FTTH-GPOM-LEB-R/FURUKAWA	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	EXP/RJO_ALV/TX/A1-FTTH-CQ-ALV/TELEMONT	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	EXP/RJO_ARC/RX/DESO OE 011/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	EXP/RJO_CVI/TX/A1-FTTH-CQ-CVI/TELEMONT	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	IMP//GP/CONSUMO MATERIA/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	IMP/ALV/RX/A1-83646-2015-LG/LOGICTEL	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.26
EXTERNAL NETWORK	IMP/BEL/TX/A1-32368-2012-F/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	IMP/BHE_BGU/TX/A1-32369-2012-O/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	IMP/CVI/RX/REMOÇÃO_CABO4/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	IMP/LEBLON/TX/A1-0004-2012-FT/ARM TELECO	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	IMP/RJ/RX/A1-19467-2019-FTTH-ENN/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	IMP/RJ/RX/A1-21341-2019-FTTH-ITPV/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.12

EXTERNAL NETWORK	IMP/RJ/RX/A1-22034-2019-FTTH-PTS//SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	IMP/RJ/RX/A1-22121-2019-FTTH-PRS/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.19
EXTERNAL NETWORK	IMP/RJ/RX/A1-22985-2019-FTTH-CBF/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	IMP/RJ/RX/A1-22988-2019-FTTH-MAR/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	IMP/RJ/RX/A1-23799-2019-FTTH-NLP/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.72
EXTERNAL NETWORK	IMP/RX/A1-24602-2019-FTTH-ENN/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.06
EXTERNAL NETWORK	IMP/RX/A1-25402-2019-FTTH-PTS /SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	IMP/RX/A1-26526-2019-FTTH-PNDB/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	IMP/RX/A1-26691-2019-FTTH-ENN /SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.31
EXTERNAL NETWORK	IMP/RX/A1-26875-2019-FTTH-BRB /SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.05
EXTERNAL NETWORK	IMP/RX/A1-26879-2019-FTTH-BRB /SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	IMP/RX/A1-27023-2019-FTTH-RDB /SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.14
EXTERNAL NETWORK	IMP/RX/A1-27532-2019-FTTH-CRRS /SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.06

EXTERNAL NETWORK	IMP/RX/A1-30334-2019-FTTH-ARC /SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	IMP/RX/A1-31134-2019-FTTH-BMA /SEREDE	ZPDECOTV	DTH Decoder Equipment	SMPE	0.58
EXTERNAL NETWORK	Implantação	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.00
EXTERNAL NETWORK	Infra-estrut: Torres 40m	ZPTOR040	Infrastructure: Towers 40m	SMPE	0.73
EXTERNAL NETWORK	Meio de Transmissão - Cabo Óptico Subterrâneo	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	120.55
EXTERNAL NETWORK	Meio de Transmissão - Distribuidor Geral Optico	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	2.97
EXTERNAL NETWORK	MT - Cabo Optico Aéreo/subterraneo/predial	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.12
EXTERNAL NETWORK	MT - Cabo Optico Aéreo/subterraneo/predial	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	2.97
EXTERNAL NETWORK	MT - Cabo Optico Aéreo/subterraneo/predial	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	865.91
EXTERNAL NETWORK	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	126.35
EXTERNAL NETWORK	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	133.19
EXTERNAL NETWORK	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	48.96

EXTERNAL NETWORK	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	212.06
EXTERNAL NETWORK	MT - Cb Opt. - Aéreo	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	246.87
EXTERNAL NETWORK	MT - CB OPT. - ENTER	ZPTCBCXE	Transmission Means - Coaxial Cable	SMPE	0.00
EXTERNAL NETWORK	MT - DISTR GERAL OPT	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	5.43
EXTERNAL NETWORK	MT - DISTR GERAL OPT	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	1.40
EXTERNAL NETWORK	MT - DISTR GERAL OPT	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.00
EXTERNAL NETWORK	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	19.02
EXTERNAL NETWORK	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	3.08
EXTERNAL NETWORK	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	6.34
EXTERNAL NETWORK	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	5.47

EXTERNAL NETWORK	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	14.46
EXTERNAL NETWORK	MT -CB ÓPT.- SUBTER.	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	8.89
EXTERNAL NETWORK	MUDULO OPTICO ICX 144-ADAP-LC/APC PHB	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.04
EXTERNAL NETWORK	Obras And-TANGIVEL	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	RA-CABO OP AÉREO-30	ZGACBA01	Access Network - Aerial Optic Cable-30	SMPE	15.88
EXTERNAL NETWORK	RA-CABO OP AÉREO-30	ZGACBA01	Access Network - Aerial Optic Cable-30	SMPE	8.99
EXTERNAL NETWORK	REDE DE ACESSO-CABO OPTICO AÉREO-30	ZGACBA01	Access Network - Aerial Optic Cable-30	SMPE	0.86
EXTERNAL NETWORK	RJ/RX/A1-05326-2017-FTTH-BTJ/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	RJ/RX/A1-05326-2017-FTTH-BTJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	RX/A1-09631-2018-FTTH //SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	RX/A1-09633-2018-FTTH-ICI // SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	RX/A1-11553-2018-FTTH-CBF /SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.55
EXTERNAL NETWORK	RX/A1-13725-2018-LG-ARC // LOGICTEL	ZGCBOPST	Access - Underground Optic Cable	SMPE	0.07
EXTERNAL NETWORK	RX/PAGTO FISCAZ// LOGICTEL_AGOST_2018	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.08
EXTERNAL NETWORK	SEREDE/ORIENTADORA BAIXA MATERIAIS FTTH	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	SUBT/A1-01728-2016-DE-VITE-RJ/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-03934-2017-FT-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-04425-2017-FTTH-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-04426-2017-FTTH-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-04427-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-04431-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-04431-2017-FTTH-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.03

EXTERNAL NETWORK	SUBT/A1-04432-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-04432-2017-FTTH-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-04495-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-04582-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-05053-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-05056-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-05057-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-05058-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-05058-2017-FT-ICI-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-05059-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-05061-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05

EXTERNAL NETWORK	SUBT/A1-05062-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-05064-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-05065-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-05066-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-05066-2017-FT-ICI-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-05603-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-05603-2017-FT-ICI-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-05604-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-05605-2017-FT-RDB-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-05606-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-05783-2017-FT-ICI-RJ-RC-1/SEREDE	ZGTCBOST	Transmission Means - Underground Optic Cable	SMPE	0.03

EXTERNAL NETWORK	SUBT/A1-05783-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-05908-2017-FTTH-BTJ-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-06520-2017-FT-SCD-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-07901-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-07903-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-07904-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-07905-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-07906-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-07907-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-07908-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-07909-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-07910-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05

EXTERNAL NETWORK	SUBT/A1-07911-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-07912-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-07915-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-07916-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-07919-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-07920-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-07970-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-08393-2018-FTTH-IPA-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-08393-2018-FTTH-IPA-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-08418-2018-FTTH-BOT-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-08570-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04

EXTERNAL NETWORK	SUBT/A1-08570-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-08571-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-08572-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-08572-2017-FTTH-RJ-RC-1/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-08573-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-08573-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-08577-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-08579-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-08581-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-08581-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-09066-2018-FTTH-ITPU-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.00

EXTERNAL NETWORK	SUBT/A1-09188-2017-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-09200-2018-FT-ITPU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-09309-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-09347-2017-FT-BOT-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-09900-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-09902-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-09904-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-09905-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-09907-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-09910-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-09912-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-09917-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	SUBT/A1-09918-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-10263-2018-FTTH-ITPU-RJ/SEREDE	ZPDECOTV	DTH Decoder Equipment	SMPE	1.50
EXTERNAL NETWORK	SUBT/A1-10342-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-10343-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-10343-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-10346-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-10346-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-10347-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-10347-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-10348-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-10349-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02

EXTERNAL NETWORK	SUBT/A1-10349-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-10350-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-10351-2017-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-10351-2017-FTTH-RDB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-10357-2017-FTTH-NLP-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	1.26
EXTERNAL NETWORK	SUBT/A1-10469-2017-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-10469-2017-FTTH-LEB-RJ/SEREDE	ZPTDGOPT	Transmission Means - Optic General Distributor	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-10471-2017-FT-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-17374-2018-FTTH-BOT-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-18427-2019-FTTH-DQX-RJ/SEREDE	ZGETAD01	Transmission Equipment-ADD-DROP Multiplexer-30	SMPE	0.26
EXTERNAL NETWORK	SUBT/A1-18699-2019-FTTH-CGD-RJ/SEREDE	ZPDECOTV	DTH Decoder Equipment	SMPE	0.00

EXTERNAL NETWORK	SUBT/A1-18828-2019-FTTH-IPA-RJ/SEREDE	ZPTOR040	Infrastructure: Towers 40m	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-18924-2019-FTTH-ENN-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	SUBT/A1-18952-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.19
EXTERNAL NETWORK	SUBT/A1-19283-2019-FTTH-ITPU-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-19417-2019-FTTH-MAR-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-19578-2018-FTTH-RDB-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-19796-2019-FTTH-BTJ-RJ/SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-19798-2019-FTTH-ICI-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-19824-2019-FTTH-RDB-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-19893-2018-FTTH-NLP-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.20
EXTERNAL NETWORK	SUBT/A1-19894-2019-FTTH-NLP-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.13
EXTERNAL NETWORK	SUBT/A1-19994-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-20024-2019-FTTH-CPS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05

EXTERNAL NETWORK	SUBT/A1-20025-2019-FTTH-ARS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-20156-2019-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-20261-2019-FTTH-CBF-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-20297-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-20402-2018-FTTH-RDB-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.02
EXTERNAL NETWORK	SUBT/A1-20414-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-20415-2019-FTTH-CPS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-20532-2019-FTTH-CBF-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-20533-2019-FTTH-LEB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	SUBT/A1-20542-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	SUBT/A1-20632-2019-FTTH-MAR-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-20730-2019-FTTH-RDB-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01

EXTERNAL NETWORK	SUBT/A1-20732-2019-FTTH-MAR-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-20818-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-20822-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-20850-2019-FTTH-CGD-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-20854-2019-FTTH-CPS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-20869-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-20888-2019-FTTH-CGD-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-20889-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-21151-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-21182-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-21210-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-21229-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05

EXTERNAL NETWORK	SUBT/A1-21464-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-21576-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.08
EXTERNAL NETWORK	SUBT/A1-21754-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.03
EXTERNAL NETWORK	SUBT/A1-22004-2019-FTTH-ENN-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-22013-2019-FTTH-ENN-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-22129-2019-FTTH-VZA-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	SUBT/A1-22131-2019-FTTH-VZA-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-22332-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-22413-2019-FTTH-RETK-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-22426-2019-FTTH-ICI-RJ/SEREDE	ZPEQENER	Energy Equipment	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-22431-2019-FTTH-RDB-RJ/SEREDE	ZPDECOTV	DTH Decoder Equipment	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-22689-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05

EXTERNAL NETWORK	SUBT/A1-23111-2019-FTTH-UNAR-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-23129-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-24143-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-24180-2019-FTTH-UNAR-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-24192-2019-FTTH-CPS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.05
EXTERNAL NETWORK	SUBT/A1-24290-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-24408-2019-FTTH-NLP-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-24456-2019-FTTH-RDB-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.06
EXTERNAL NETWORK	SUBT/A1-24971-2019-FTTH-CRRS-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-25062-2019-FTTH-ALV-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-25211-2019-FTTH-PTS-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-25300-2019-FTTH-CBF-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01

EXTERNAL NETWORK	SUBT/A1-25353-2019-FTTH-PTS-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-25515-2019-FTTH-RETK-RJ/SEREDE	ZPROTATM	ET - ATM Router	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-25642-2019-FTTH-ICI-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-25701-2019-FTTH-BRB-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.16
EXTERNAL NETWORK	SUBT/A1-25896-2019-FTTH-CRRS-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.16
EXTERNAL NETWORK	SUBT/A1-25942-2019-FTTH-RDB-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-26628-2019-FTTH-RDB-RJ/SEREDE	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	0.07
EXTERNAL NETWORK	SUBT/A1-27946-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-27994-2019-FTTH-ICI-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-28143-2019-FTTH-ENN-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-28226-2019-FTTH-CGD-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-28288-2019-FTTH-PDAL-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.04
EXTERNAL NETWORK	SUBT/A1-28398-2019-FTTH-CGD-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00

EXTERNAL NETWORK	SUBT/A1-28483-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-28484-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-28486-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.09
EXTERNAL NETWORK	SUBT/A1-28487-2019-FTTH-NIU-RJ/SEREDE	ZPINFSOF	General Use - Information Technology: Software	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-28652-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-28653-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-28654-2019-FTTH-NIU-RJ/SEREDE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/A1-28680-2019-FTTH-CGD-RJ/SEREDE	ZPBTS	BTS Base Radio Station	SMPE	0.23
EXTERNAL NETWORK	SUBT/A1-85973-2015-FT-ALV-RJ/SERE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/A1-87673-2015-FT-ALV-RJ/SERE	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZGETAD01	Transmission Equipment- ADD-DROP Multiplexer-30	SMPE	0.15
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPBTS	BTS Base Radio Station	SMPE	1.21

EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPDECOTV	DTH Decoder Equipment	SMPE	0.01
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPEQENER	Energy Equipment	SMPE	0.02
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPIPONT	ONT EQUIPMENT - IPTV	SMPE	1.00
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPPONTVD	Points of Sale - Acquisition / Points of Sale	SMPE	0.01
EXTERNAL NETWORK	SUBT/REDE CONECTA	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	2.95
EXTERNAL NETWORK	SUBT/REDE CONECTA-FTTH-CRE 5843	ZPBTS	BTS Base Radio Station	SMPE	0.00
EXTERNAL NETWORK	SUBT/REDE CONECTA-FTTH-CRE 5843	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.00
EXTERNAL NETWORK	SUBT/REDE CONECTA-FTTH-CRE 5844	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	SUBT/REDE CONECTA-FTTH-CRE 5844	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.01
EXTERNAL NETWORK	SUBT/RX/A1-21004-2019-FTTH-VZA/SEREDE	ZPCLIMP3	Climatization Equipment in Third-Party Building	SMPE	0.00
EXTERNAL NETWORK	SUBT/TELEMONT	ZPTCBOPA	MT - Aerial/Underground/Building Optical Cable	SMPE	0.02
EXTERNAL NETWORK	SURVEY BEL	ZPBTS	BTS Base Radio Station	SMPE	0.01
EXTERNAL NETWORK	TORRE 40M	ZPTOR040	Infrastructure: Towers 40m	SMPE	3.89

EXTERNAL NETWORK	USO GERAL - INFORMÁTICA - EMPRESA PCS	ZPINFOR	General Use - Information Technology: - PCS company	SMPE	0.32
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