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higher data centre standard.

Quick Guide
Optical Cables Brasil

Document Version: Rev.2 – Nov 2024

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Quick Guide
Optical Cables Brasil

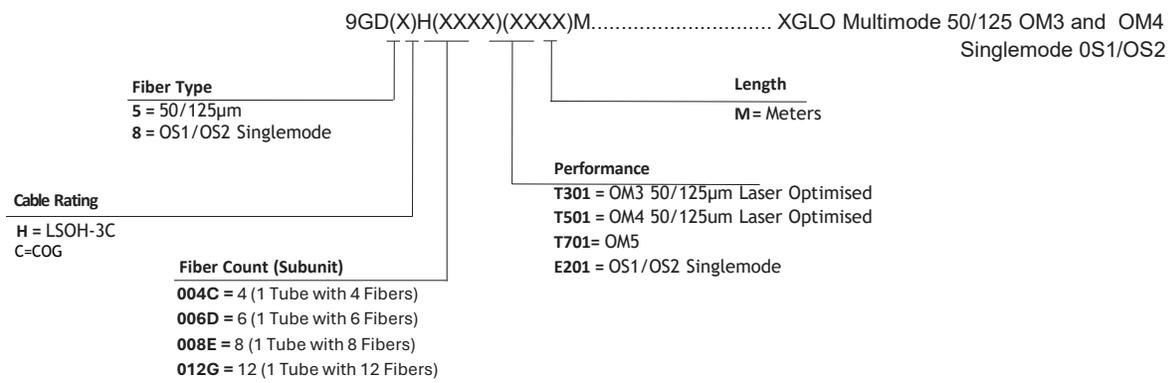Select from a wide range of market leading products manufactured by The Siemon Company.

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Indoor/Outdoor Tight Buffer –Brasil

EO - BLI

Siemon Standard or LSOH/LSZH (IEC 60332-3) indoor/outdoor tight buffer fiber cables are ideal for data centres, campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:

9GD(X)H(XXXX)(XXXX)M............................. XGLO Multimode 50/125 OM3 and OM4
Singlemode 0S1/OS2

Fiber Type
5 = 50/125µm
8 = OS1/OS2 Singlemode

Length
M= Meters

Cable Rating
H = LSOH-3C
C=COG

Performance
T301 = OM3 50/125µm Laser Optimised
T501 = OM4 50/125um Laser Optimised
T701= OM5
E201 = OS1/OS2 Singlemode

Fiber Count (Subunit)
004C = 4 (1 Tube with 4 Fibers)
006D = 6 (1 Tube with 6 Fibers)
008E = 8 (1 Tube with 8 Fibers)
012G = 12 (1 Tube with 12 Fibers)

Jacket (Black)
• Material: COG or LSOH-3

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yarn

4 - 12 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE
• ABNT (14772)	• ISO/IEC 11801:2002 OM3	• ISO/IEC 11801:2002 OM4	• ISO/IEC 11801:Ed 2.0 Amendment:1:2008
• CFOT-EO (SM or MM)	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D
• BLI	• ANSI/TIA-598-D	• ANSI/TIA-598-D	• ANSI/TIA-598-D
• Limite 12 FO	• ANSI/TIA-492 AAAC	• ANSI/TIA-492 AAAD	• ANSI/TIA-492 CAAB
• Consulte o departamento comercial para outras disponibilidades	• IEC 60793-2-10 Fiber Type Ala.2	• IEC 60793-2-10 Fiber Type A1a.3	• Telcordia GR-409-CORE
	• Telcordia GR-409-CORE	• Telcordia GR-409-CORE	• ITU-T G.652 C/D
	• IEC 60332-3	• IEC 60332-3	• ITU-T G.657
	IEC 60332-1-2 (Single strand)	IEC 60332-1-2 (Single strand) IEC	• LSOH IEC 60332-3
	IEC 60754-2 (Acid gas)	60754-2 (Acid gas)	IEC 60332-1-2 (Single strand)
	IEC 61034-2 (Smoke density)	IEC 61034-2 (Smoke density)	IEC 60754-2 (Acid gas)
			IEC 61034-2 (Smoke density)

Indoor/Outdoor Tight Buffer - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)- G652B
Singlemode (OS1/OS2)-	1310	0.50
	1550	0.30

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)- G657D
Singlemode (OS1/OS2)	1310	0.40
	1550	0.25

Indoor/Outdoor Tight Buffer (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/km
		Installation	Long Term	
4	5.3	1500	495	24
6	5.7	1500	495	26
8	6.8	1500	495	31
12	7.4	1500	495	37

Fiber Count	Maximum Crush Resistance (N/mm)	Operation Temperature °C	Installation Temperature °C	Storage Temperature °C	Minimum Bend Radius	
					Installation	Long Term
4-12	5	-40 to 70	-10 to 60	-40 to 70	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.
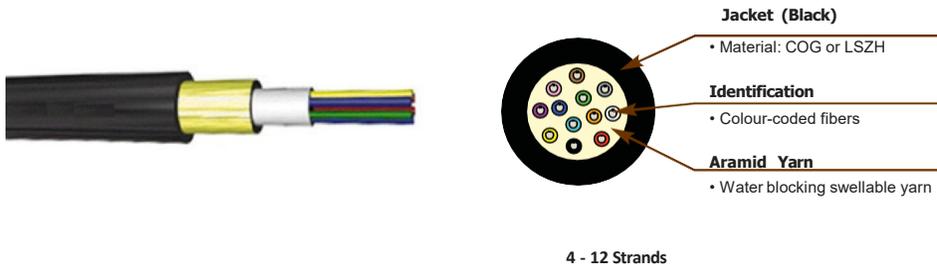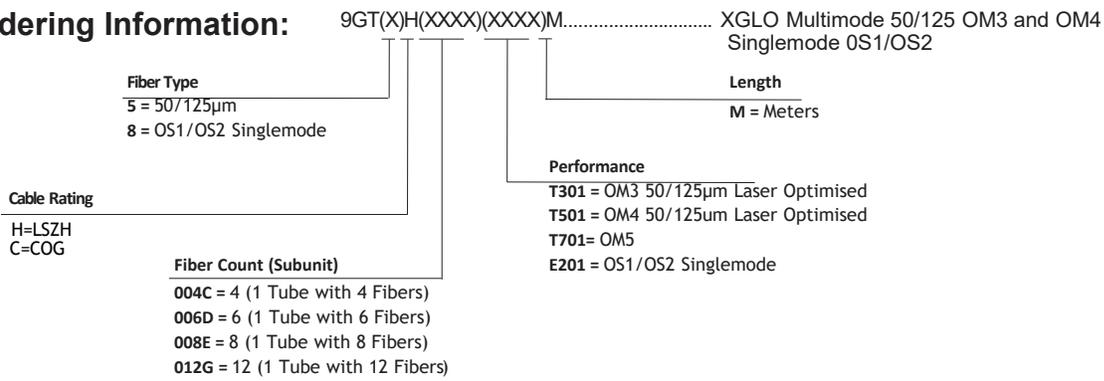
Modelo ABNT
CFOT-XX-EO-YY-ZZ
CFOT - Cabo Fibra Óptica de Terminação
XX - Tipo de Fibra (SM, MM50 ou BLI A/B)
EO- Elemento Optico
YY- Quantidade de Fibras
ZZ- COG ou LSZH

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Indoor/Outdoor Loose Tube–Brasil

UT

Siemon Standard or LSOH/LSZH (IEC 60332-3) indoor/outdoor loose tube fiber cables are ideal for data centres, campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:

9GT(X)H(XXXX)(XXXX)M............................ XGLO Multimode 50/125 OM3 and OM4
Singlemode 0S1/OS2

Fiber Type
5 = 50/125µm
8 = OS1/OS2 Singlemode

Length
M = Meters

Cable Rating
H=LSZH
C=COG

Performance
T301 = OM3 50/125µm Laser Optimised
T501 = OM4 50/125um Laser Optimised
T701= OM5
E201 = OS1/OS2 Singlemode

Fiber Count (Subunit)
004C = 4 (1 Tube with 4 Fibers)
006D = 6 (1 Tube with 6 Fibers)
008E = 8 (1 Tube with 8 Fibers)
012G = 12 (1 Tube with 12 Fibers)

Jacket (Black)
• Material: COG or LSZH

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yarn

4 - 12 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE • ABNT (14772) • CFOT-UT (SM or MM) • Limite 12 FO • Consulte o departamento comercial para outras disponibilidades	STANDARDS COMPLIANCE • ISO/IEC 11801:2002 OM3 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAC • IEC 60793-2-10 Fiber Type Ala.2 • Telcordia GR-409-CORE • IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	STANDARDS COMPLIANCE • ISO/IEC 11801:2002 OM4 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAD • IEC 60793-2-10 Fiber Type A1a.3 • Telcordia GR-409-CORE • IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	STANDARDS COMPLIANCE • ISO/IEC 11801:Ed 2.0 Amendment:1:2008 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 CAAB • Telcordia GR-409-CORE • ITU-T G.652 C/D • LSOH IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)

Indoor/Outdoor Loose Tube - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)- G652B
Singlemode (OS1/OS2)-	1310	0.50
	1550	0.30

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)- G657D
Singlemode (OS1/OS2)	1310	0.40
	1550	0.25

Indoor/Outdoor Loose Tube (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/km
		Installation	Long Term	
4	4,9	1500	495	29
6	4,9	1500	495	29
8	5,1	1500	495	32
12	5,6	1500	495	36

Fiber Count	Maximum Crush Resistance (N/mm)	Operation Temperature °C	Installation Temperature °C	Storage Temperature °C	Minimum Bend Radius	
					Installation	Long Term
4-12	5	-40 to 70	-10 to 60	-40 to 70	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.
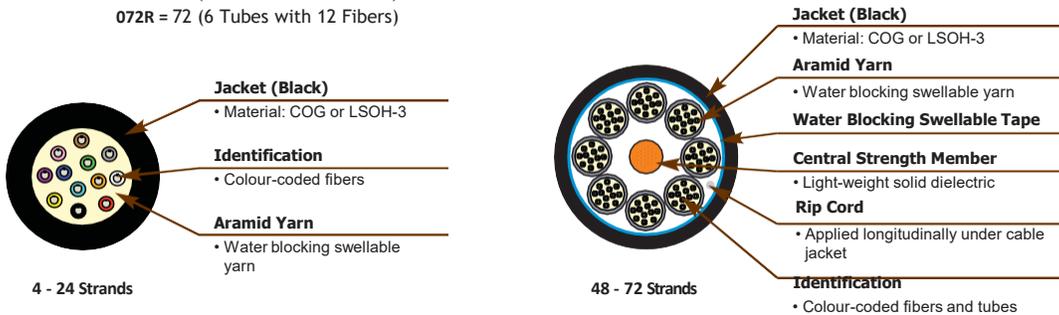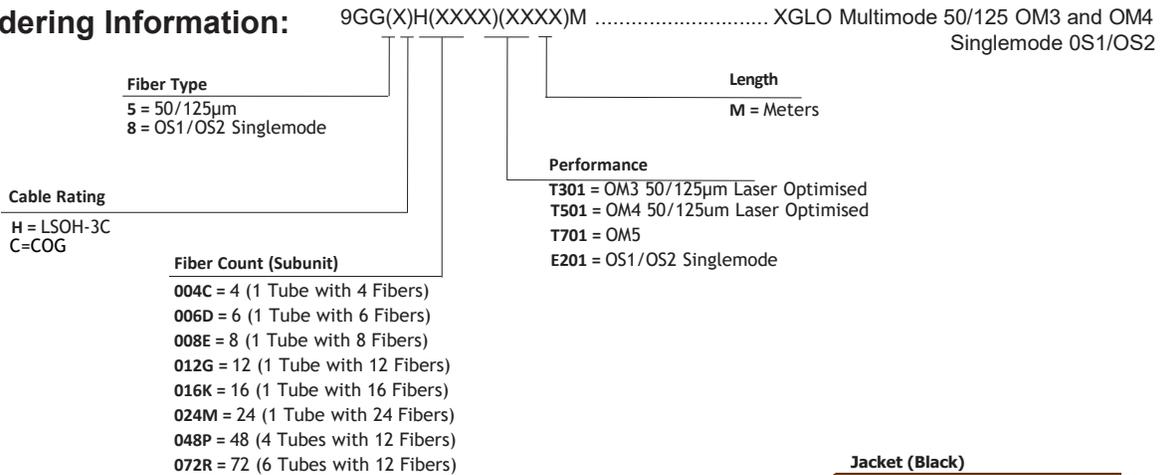
Modelo ABNT
CFOT-XX-UT-YY-ZZ
CFOT - Cabo Fibra Óptica de Terminação
XX - Tipo de Fibra (SM, MM50)
UT- Tubo Único (Unitube)
YY- Quantidade de Fibras
ZZ- COG ou LSZH

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Indoor/Outdoor LooseTube - Brasil

UB

Siemon Standard or LSOH/LSZH (IEC 60332-3) indoor/outdoor loose tube fiber cables are ideal for data centres, campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:

9GG(X)H(XXXX)(XXXX)M .... XGLO Multimode 50/125 OM3 and OM4 Singlemode 0S1/OS2

Fiber Type
5 = 50/125µm
8 = OS1/OS2 Singlemode

Length
M = Meters

Performance
T301 = OM3 50/125µm Laser Optimised
T501 = OM4 50/125um Laser Optimised
T701 = OM5
E201 = OS1/OS2 Singlemode

Cable Rating
H = LSOH-3C
C = COG

Fiber Count (Subunit)
004C = 4 (1 Tube with 4 Fibers)
006D = 6 (1 Tube with 6 Fibers)
008E = 8 (1 Tube with 8 Fibers)
012G = 12 (1 Tube with 12 Fibers)
016K = 16 (1 Tube with 16 Fibers)
024M = 24 (1 Tube with 24 Fibers)
048P = 48 (4 Tubes with 12 Fibers)
072R = 72 (6 Tubes with 12 Fibers)

Jacket (Black)
• Material: COG or LSOH-3

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yarn

4 - 24 Strands

Jacket (Black)
• Material: COG or LSOH-3

Aramid Yarn
• Water blocking swellable yarn

Water Blocking Swellable Tape

Central Strength Member
• Light-weight solid dielectric

Rip Cord
• Applied longitudinally under cable jacket

Identification
• Colour-coded fibers and tubes

48 - 72 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE
• ABNT (14772)	• ISO/IEC 11801:2002 OM3	• ISO/IEC 11801:2002 OM4	• ISO/IEC 11801:Ed 2.0 Amendment:1:2008
• CFOT-UB (SM or MM)	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D
• Consulte o departamento comercial para outras disponibilidades	• ANSI/TIA-598-D	• ANSI/TIA-598-D	• ANSI/TIA-598-D
	• ANSI/TIA-492 AAAC	• ANSI/TIA-492 AAAD	• ANSI/TIA-492 CAAB
	• IEC 60793-2-10 Fiber Type Ala.2	• IEC 60793-2-10 Fiber Type A1a.3	• Telcordia GR-409-CORE
	• Telcordia GR-409-CORE	• Telcordia GR-409-CORE	• ITU-T G.652 C/D
	• IEC 60332-3	• IEC 60332-3	• ITU-T G.657
	IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	• LSOH IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)

Indoor/Outdoor Loose Tube - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)
Singlemode (OS1/OS2)	1310	0.35
	1550	0.25

XGLO and LightSystem Loose Tube (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/km
		Installation	Long Term	
4	9.4	1500	495	90
6	9.4	1500	495	90
8	9.4	1500	495	90
12	9.4	1500	495	90
16	10.0	1500	396	95
24	10.0	1500	495	95
48	11,1	4200	1400	120
72	12,3	5400	1800	150

Fiber Count	Maximum Crush Resistance (N/mm)	Operation Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C	Minimum Bend Radius	
					Installation	Long Term
4-12	5	-40 to 70 (-40 to 158)	-10 to 60 (-14 to 140)	-40 to 70 (-40 to 158)	20 x DIA.	10 x DIA.
16-72	10	-20 to 70 (-4 to 158)	-10 to 60 (-14 to 140)	-20 to 70 (-4 to 158)	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.
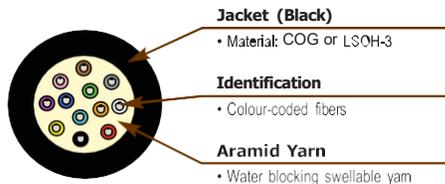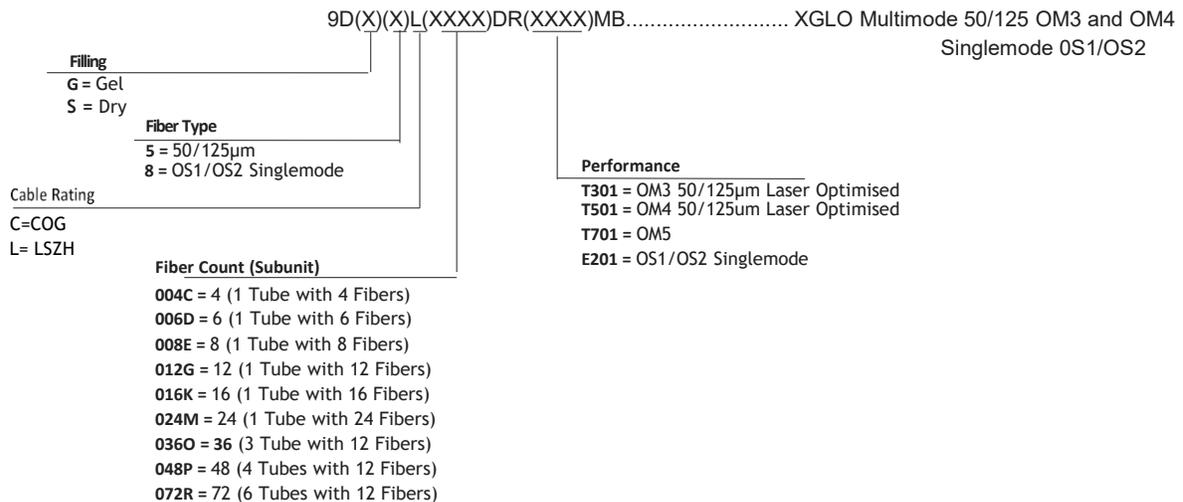
Modelo ABNT
CFOT-XX-UB-YY-ZZ
CFOT - Cabo Fibra Óptica de Terminação
XX - Tipo de Fibra (SM, MM50)
UB- Unid. Bas. Em tubo encordoado (Loose)
YY- Quantidade de Fibras
ZZ- COG ou LSZH

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Outdoor LooseTube - Brasil
DDR (G or S)

Siemon Standard or LSOH/LSZH (IEC 60332-3) indoor/outdoor loose tube fiber cables are ideal for data centres, campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:

9D(X)(X)L(XXXX)DR(XXXX)MB........................... XGLO Multimode 50/125 OM3 and OM4
Singlemode 0S1/OS2

Filling
G = Gel
S = Dry

Fiber Type
5 = 50/125µm
8 = OS1/OS2 Singlemode

Cable Rating
C=COG
L= LSZH

Fiber Count (Subunit)
004C = 4 (1 Tube with 4 Fibers)
006D = 6 (1 Tube with 6 Fibers)
008E = 8 (1 Tube with 8 Fibers)
012G = 12 (1 Tube with 12 Fibers)
016K = 16 (1 Tube with 16 Fibers)
024M = 24 (1 Tube with 24 Fibers)
036O = 36 (3 Tube with 12 Fibers)
048P = 48 (4 Tubes with 12 Fibers)
072R = 72 (6 Tubes with 12 Fibers)

Performance
T301 = OM3 50/125µm Laser Optimised
T501 = OM4 50/125um Laser Optimised
T701 = OM5
E201 = OS1/OS2 Singlemode

Jacket (Black)
• Material: COG or LSOH-3

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yarn

4 - 12 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE
• ABNT (14772)	• ISO/IEC 11801:2002 OM3	• ISO/IEC 11801:2002 OM4	• ISO/IEC 11801:Ed 2.0 Amendment:1:2008
• CFOA (SM or MM)	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D
• Consulte o departamento comercial para outras disponibilidades	• ANSI/TIA-598-D	• ANSI/TIA-598-D	• ANSI/TIA-598-D
	• ANSI/TIA-492 AAAC	• ANSI/TIA-492 AAAD	• ANSI/TIA-492 CAAB
	• IEC 60793-2-10 Fiber Type Ala.2	• IEC 60793-2-10 Fiber Type A1a.3	• Telcordia GR-409-CORE
	• Telcordia GR-409-CORE	• Telcordia GR-409-CORE	• ITU-T G.652 C/D
	• IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	• IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	• LSOH IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)

Outdoor LooseTube - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125μm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)
Singlemode (OS1/OS2)	1310	0.35
	1550	0.25

XGLO and LightSystem Loose Tube (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Nominal Net Weight kg/km
2-12	11,2	109
18-36	11,7	119
48-60	12,5	132
72	12,5	135

Operation Temperature °C (°F)	Minimum Bend Radius	
	Installation	Long Term
-20 to 65	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.
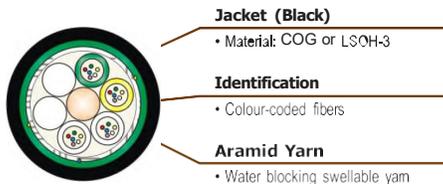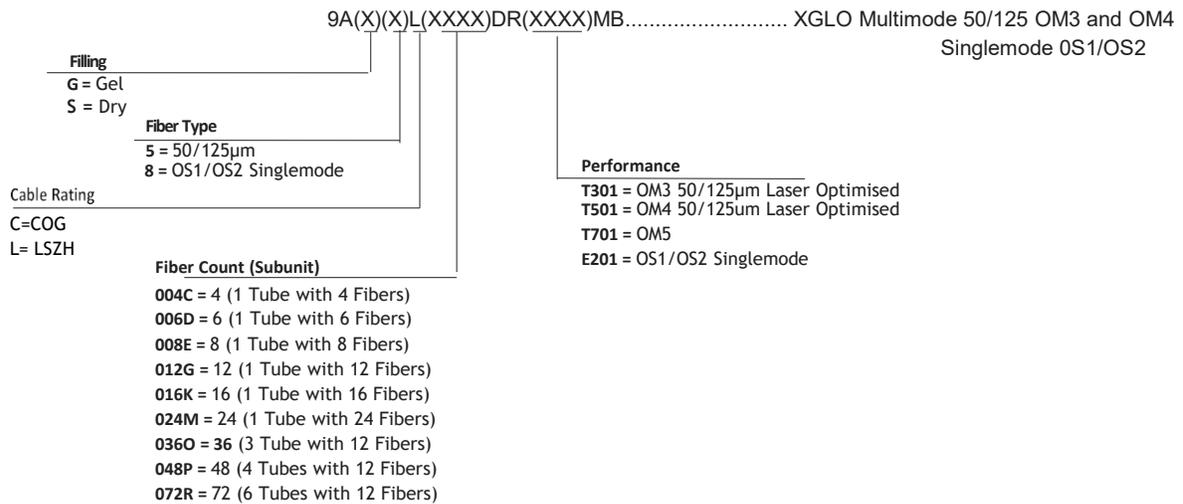
Modelo ABNT
CFOA-XX-DDR X-YY-NR
CFOA - Cabo Fibra Óptica em Acrilato
XX - Tipo de Fibra (SM, MM50)
DDR - Antirroedor Dieletrico
X- Preenchimento (G=Geleado, S=Seco)
YY- Quantidade de Fibras
NR = Revestimento Normal ou L=LSZH

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Outdoor LooseTube - Brasil
ARD (G or S)

Siemon Standard or LSOH/LSZH (IEC 60332-3) outdoor loose tube fiber cables are ideal for campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:

9A(X)(X)L(XXXX)DR(XXXX)MB........................... XGLO Multimode 50/125 OM3 and OM4
Singlemode 0S1/OS2

Filling
G = Gel
S = Dry

Fiber Type
5 = 50/125µm
8 = OS1/OS2 Singlemode

Cable Rating
C=COG
L= LSZH

Fiber Count (Subunit)
004C = 4 (1 Tube with 4 Fibers)
006D = 6 (1 Tube with 6 Fibers)
008E = 8 (1 Tube with 8 Fibers)
012G = 12 (1 Tube with 12 Fibers)
016K = 16 (1 Tube with 16 Fibers)
024M = 24 (1 Tube with 24 Fibers)
036O = 36 (3 Tube with 12 Fibers)
048P = 48 (4 Tubes with 12 Fibers)
072R = 72 (6 Tubes with 12 Fibers)

Performance
T301 = OM3 50/125µm Laser Optimised
T501 = OM4 50/125um Laser Optimised
T701 = OM5
E201 = OS1/OS2 Singlemode

Jacket (Black)
• Material: COG or LSOH-3

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yam

4 - 72 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE
• ABNT (14772)	• ISO/IEC 11801:2002 OM3	• ISO/IEC 11801:2002 OM4	• ISO/IEC 11801:Ed 2.0 Amendment:1:2008
• CFOA (SM or MM)	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D
• Consulte o departamento comercial para outras disponibilidades	• ANSI/TIA-598-D	• ANSI/TIA-598-D	• ANSI/TIA-598-D
	• ANSI/TIA-492 AAAC	• ANSI/TIA-492 AAAD	• ANSI/TIA-492 CAAB
	• IEC 60793-2-10 Fiber Type Ala.2	• IEC 60793-2-10 Fiber Type A1a.3	• Telcordia GR-409-CORE
	• Telcordia GR-409-CORE	• Telcordia GR-409-CORE	• ITU-T G.652 C/D
	• IEC 60332-3	• IEC 60332-3	• LSOH IEC 60332-3
	IEC 60332-1-2 (Single strand)	IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas)	IEC 60332-1-2 (Single strand)
	IEC 60754-2 (Acid gas)	IEC 61034-2 (Smoke density)	IEC 60754-2 (Acid gas)
	IEC 61034-2 (Smoke density)		IEC 61034-2 (Smoke density)

Outdoor LooseTube - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125μm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm[†]	1300 nm[††]	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)
Singlemode (OS1/OS2)	1310	0.35
	1550	0.25

XGLO and LightSystem Loose Tube (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Nominal Net Weight kg/km
2-12	11,9	161
18-36	12,1	166
48-72	14,0	205

Operation Temperature ˚C (˚F)	Minimum Bend Radius	
	Installation	Long Term
-20 to 65	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.

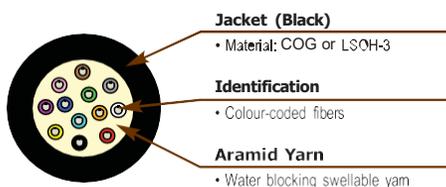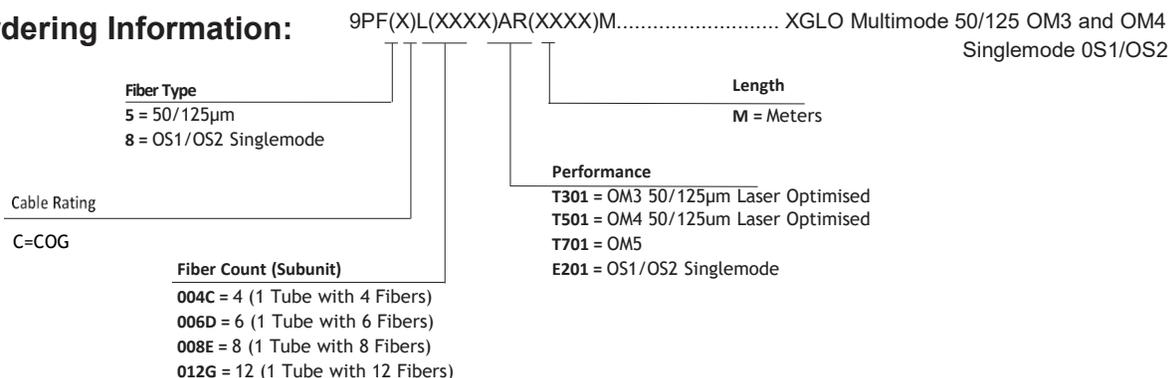| Modelo ABNT |
|---|
| CFOA-XX-ARD X-YY-NR |
| |
| CFOA - Cabo Fibra Óptica em Acrilato |
| XX - Tipo de Fibra (SM, MM50) |
| ARD - Antirroedor em fita de aço, |
| X- Preenchimento (G=Geleado, S=Seco) |
| YY- Quantidade de Fibras |
| NR = Revestimento Normal ou L=LSZH |

SIEMON™

Outdoor LooseTube - Brasil

AREU-G

Siemon Standard or LSOH/LSZH (IEC 60332-3) indoor/outdoor loose tube fiber cables are ideal for data centres, campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon indoor/outdoor water blocking is primarily for dry duct applications for moisture and temporary water migration protection.

Ordering Information:

9PF(X)L(XXXX)AR(XXXX)M........................... XGLO Multimode 50/125 OM3 and OM4
Singlemode 0S1/OS2

Fiber Type
5 = 50/125µm
8 = OS1/OS2 Singlemode

Cable Rating

C=COG

Fiber Count (Subunit)
004C = 4 (1 Tube with 4 Fibers)
006D = 6 (1 Tube with 6 Fibers)
008E = 8 (1 Tube with 8 Fibers)
012G = 12 (1 Tube with 12 Fibers)

Length
M = Meters

Performance
T301 = OM3 50/125µm Laser Optimised
T501 = OM4 50/125um Laser Optimised
T701 = OM5
E201 = OS1/OS2 Singlemode

Jacket (Black)
• Material: COG or LSOH-3

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yarn

4 - 12 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE
• ABNT (14772)	• ISO/IEC 11801:2002 OM3	• ISO/IEC 11801:2002 OM4	• ISO/IEC 11801:Ed 2.0 Amendment:1:2008
• CFOA (SM or MM)	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D
• Limite 12 FO	• ANSI/TIA-598-D	• ANSI/TIA-598-D	• ANSI/TIA-598-D
• Consulte o departamento comercial para outras disponibilidades	• ANSI/TIA-492 AAAC	• ANSI/TIA-492 AAAD	• ANSI/TIA-492 CAAB
	• IEC 60793-2-10 Fiber Type Ala.2	• IEC 60793-2-10 Fiber Type A1a.3	• Telcordia GR-409-CORE
	• Telcordia GR-409-CORE	• Telcordia GR-409-CORE	• ITU-T G.652 C/D
	• IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	• IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	• LSOH IEC 60332-3 IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)

Outdoor LooseTube - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)
Singlemode (OS1/OS2)	1310	0.35
	1550	0.25

XGLO and LightSystem Loose Tube (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Newtons		Nominal Net Weight kg/km
		Installation	Long Term	
4	11,1	1500	495	90
6	11,1	1500	495	90
8	11,1	1500	495	90
12	11,1	1500	495	90

Fiber Count	Maximum Crush Resistance (N/mm)	Operation Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C	Minimum Bend Radius	
					Installation	Long Term
4-12	5	-40 to 70 (-40 to 158)	-10 to 60 (-14 to 140)	-40 to 70 (-40 to 158)	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.
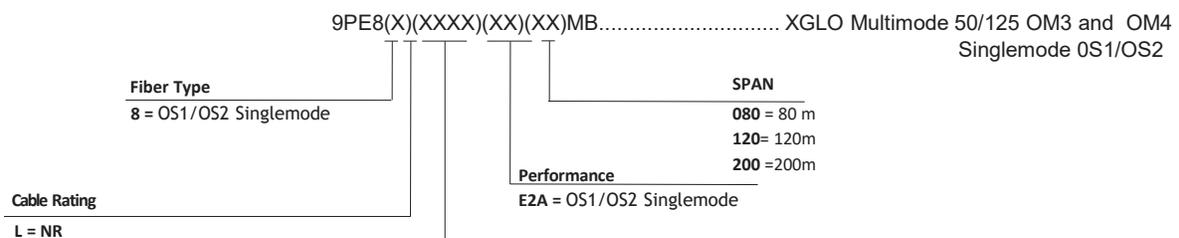
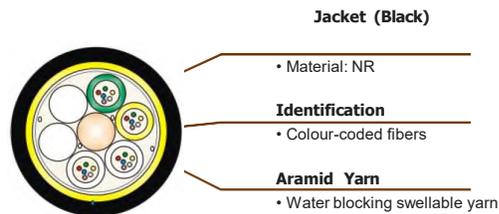| Modelo ABNT |
|---|
| CFOA-XX-AREU G-YY |
| |
| CFOA - Cabo Fibra Óptica em Acrilato |
| XX - Tipo de Fibra (SM, MM50) |
| AREU G- Antirroedor em fita de aço, tubo único geleado |
| YY- Quantidade de Fibras |

SIEMON™

Outdoor Loose Tube ADSS –Brasil Self-sustained

Siemon Standard outdoor Loose Tube cables are ideal for campus and building backbones. Siemon fiber optic cables are offered in XGLO and LightSystem configurations supporting high-speed applications such as Gigabit Ethernet, 10 Gigabit Ethernet and Fiber Channel. Siemon outdoor water blocking is primarily for duct applications for moisture and temporary water migration protection.

Ordering Information:

9PE8(X)(XXXX)(XX)(XX)MB............................. XGLO Multimode 50/125 OM3 and OM4
Singlemode 0S1/OS2

Fiber Type
8 = OS1/OS2 Singlemode

SPAN
080 = 80 m
120= 120m
200 =200m

Performance
E2A = OS1/OS2 Singlemode

Cable Rating
L = NR

Fiber Count (Subunit)
002B = 4 (1 Tube with 4 Fibers)
004B = 4 (1 Tube with 4 Fibers)
006B = 6 (1 Tube with 6 Fibers)
008B = 8 (1 Tube with 8 Fibers)
012B = 12 (1 Tube with 12 Fibers)
016D = 16 (1 Tube with 16 Fibers)
024D = 24 (1 Tube with 24 Fibers)
036D = 36 (4 Tubes with 12 Fibers)
048G = 48 (4 Tubes with 12 Fibers)
072G = 72 (6 Tubes with 12 Fibers)
096G = 96 (8 Tubes with 12 Fibers)
144G = 144 (12 Tubes with 12 Fibers)

Jacket (Black)
• Material: NR

Identification
• Colour-coded fibers

Aramid Yarn
• Water blocking swellable yarn

4 - 144 Strands

Brazilian Standards	XGLO 300 Multimode 50/125, OM3	XGLO 550 Multimode 50/125, OM4/OM5	XGLO Singlemode, OS1/OS2
STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE	STANDARDS COMPLIANCE
• ABNT (14772)	• ISO/IEC 11801:2002 OM3	• ISO/IEC 11801:2002 OM4	• ISO/IEC 11801:Ed 2.0 Amendment:1:2008
• CFOA (SM or MM)	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D	• ANSI/TIA-568.3-D
• Limite 144 FO Vão de 80, 120 e 200m	• ANSI/TIA-598-D	• ANSI/TIA-598-D	• ANSI/TIA-598-D
• Consulte o departamento comercial para outras disponibilidades	• ANSI/TIA-492 AAAC	• ANSI/TIA-492 AAAD	• ANSI/TIA-492 CAAB
	• IEC 60793-2-10 Fiber Type Ala.2	• IEC 60793-2-10 Fiber Type A1a.3	• Telcordia GR-409-CORE
	• Telcordia GR-409-CORE	• Telcordia GR-409-CORE	• ITU-T G.652 C/D
	• IEC 60332-3	• IEC 60332-3	• LSOH IEC 60332-3
	IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)	IEC 60332-1-2 (Single strand) IEC 60754-2 (Acid gas) IEC 61034-2 (Smoke density)

Indoor/Outdoor Tight Buffer - Brasil

XGLO Gigabit Ethernet Fiber Optic Cable

Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz•km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.5	1.5
50/125 (OM4/OM5)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.5	1.5

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength (nm)	Maximum Attenuation (dB/km)- G652B
Singlemode (OS1/OS2)-	1310	0.50
	1550	0.30

Outdoor Loose Tube (Brasil) Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Nominal Net Weight kg/km (Spam=80m)
2-12	9,24	67,5
18-36	9,33	69
48-72	11,21	98,5

Operation Temperature °C	Minimum Bend Radius	
	Installation	Long Term
-20 to 65	20 x DIA.	10 x DIA.

Custom lengths and jacket colours are available upon request. Contact our Customer Service Department for more information.

Modelo ABNT
CFOA-XX-AS-Y-S-ZZ
CFOT - Cabo Fibra Óptica de Terminação
XX - Tipo de Fibra (SM ou MM50)
Y-Vão (80, 120 ou 200)-Seco
YY- Quantidade de Fibras
ZZ- NR (Normal) ou RC (Retardante a Chama)

SIEMON

Siemon	Descrição	Descrição Siemon				
9AG8C024MDRE201MB	CFOA-SM-ARD-G 24FO	24 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-G, COG, BLACK, BRASIL	COG	CFOA	SM	24
9AGC012GDRE201MB	CFOA-SM-ARD-G 12FO (PAP)	12 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-G, COG, BLACK, BRASIL	COG	CFOA	SM	12
9AS8L012GDRE201MB	CFOA-SM-ARD-S 12FO LSZH (PAP)	12 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	12
9AS8L024MDRE201MB	CFOA-SM-ARD-S 24FO LSZH (PAP)	24 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	24
9DG8C036ODRE201MB	CFOA-SM-DDR-G 36FO RC	36 STRAND, OUTDOOR, GEL, SMF, XGLO, OS2, DBLJKT, ARMOR, RC, BLACK, BRASIL	NR	CFOA	SM	36
9DS8C004CDRE201MB	CFOA-SM-DDR-S 04FO	4 STRAND, INDOOR/OUTDOOR,LOOSETUBE,SMF, XGLO, DDR-S, COG, BLACK, BRAZIL	NR	CFOA	SM	4
9DS8C008EDRE201MB	CFOA-SM-DDR-S 08FO	8 STRAND, INDOOR/OUTDOOR,LOOSETUBE,SMF, XGLO, DDR-S, COG, BLACK, BRAZIL	NR	CFOA	SM	8
9DS8C012GDRE201MB	CFOA-SM-DDR-S 12FO	12 STRAND, INDOOR/OUTDOOR,LOOSETUBE,SMF, XGLO, DDR-S, COG, BLACK, BRAZIL	NR	CFOA	SM	12
9DS8C024MDRE201MB	CFOA-SM-DDR-S 24FO	24 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, BLACK, BRASIL	NR	CFOA	SM	24
9DS8C036ODRE201MB	CFOA-SM-DDR-S 36FO	36 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, BLACK, BRASIL	NR	CFOA	SM	36
9DS8L012GDRE201MB	CFOA-SM-DDR-S 12FO LSZH	12 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	12
9DS8L024MDRE201MB	CFOA-SM-DDR-S 24FO LSZH	24 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	24
9GD5C004CT301MB	CFOT-MM50-EO 04FO COG (OM3)	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,COG,BLACK,BRAZIL	COG	CFOT	OM3	4
9GD5C004CT501MB	CFOT-MM50-EO 04FO COG (OM4)	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	4
9GD5C006DT301MB	CFOT-MM50-EO 06FO COG (OM3)	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,COG,BLACK,BRAZIL	COG	CFOT	OM3	6
9GD5C006DT501MB	CFOT-MM50-EO 06FO COG (OM4)	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	6
9GD5C008ET501MB	CFOT-MM50-EO 08FO COG (OM4)	8 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	6
9GD5C012GT301MB	CFOT-MM50-EO 12FO COG (OM3)	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,COG,BLACK,BRAZIL	COG	CFOT	OM3	12
9GD5C012GT501MB	CFOT-MM50-EO 12FO COG (OM4)	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	8
9GD5H004CT301MB	CFOT-MM50-EO 04FO LSZH (OM3)	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,LSZH,BLACK,BRAZIL	LSZH	CFOT	OM3	4
9GD5H004CT501MB	CFOT-MM50-EO 04FO LSZH (OM4)	4 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	4
9GD5H006DT301MB	CFOT-MM50-EO 06FO LSZH (OM3)	06 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,LSZH,BLACK,BRAZIL	LSZH	CFOT	OM3	6
9GD5H006DT501MB	CFOT-MM50-EO 06FO LSZH (OM4)	6 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	6
9GD5H008ET501MB	CFOT-MM50-EO 08FO LSZH (OM4)	8 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	8
9GD5H012GT501MB	CFOT-MM50-EO 12FO LSZH (OM4)	12 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	12
9GD5HC012GT301MB	CFOT-MM50-EO 12FO LSZH (OM3)	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,LSZH,BLACK,BRAZIL	LSZH	CFOT	OM3	12
9GD8C004CE201MB	CFOT-SM-EO 04FO COG	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	4
9GD8C006DE201MB	CFOT-SM-EO 06FO COG	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	06
9GD8C008EE201MB	CFOT-SM-EO 08FO COG	8 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	08
9GD8C012GE201MB	CFOT-SM-EO 12FO COG	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	12
9GD8C024ME201MB	CFOT-SM-UB 24FO COG	24 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, COG, BLACK, BRASIL	COG	CFOT	SM	24
9GD8C048PE201MB	CFOT-SM-UB 48FO COG	48 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, COG, BLACK, BRASIL	COG	CFOT	SM	48
9GD8H002BE201MB	CFOT-SM-EO 02FO LSZH	2 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	2
9GD8H004CE201MB	CFOT-SM-EO 04FO LSZH	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	4
9GD8H006DE201MB	CFOT-SM-EO 06FO LSZH	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	6
9GD8H008EE201MB	CFOT-SM-EO 08FO LSZH	8 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	8
9GD8H012GE201MB	CFOT-SM-EO 12FO LSZH	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	12
9GG5H012GT501MB	CFOT-MM50-UB 12FO LSZH (OM4)	12 STRAND, INDOOR/OUTDOOR,LOOSETUBE, OM4, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	OM4	12
9GG5H024MT501MB	CFOT-MM50-UB 24FO LSZH (OM4)	24 STRAND, INDOOR/OUTDOOR,LOOSETUBE, OM4, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	OM4	24
9GG5H048PT501MB	CFOT-MM50-UB 48FO LSZH (OM4)	48 STRAND, INDOOR/OUTDOOR,LOOSETUBE, OM4, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	OM4	48
9GG8H0012CE201MB	CFOT-SM-UB 12FO LSZH	12 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	SM	12
9GG8H0024ME201MB	CFOT-SM-UB 24FO LSZH	24 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	SM	24
9GG8H048PE201MB	CFOT-SM-UB 48FO LSZH	48 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	SM	48
9GT5C004CT501MB	CFOT-MM50-UT 04FO COG (OM4)	4 INDOOR/OUTDOOR, LOOSETUBE, GEL, MMF, 50/125, XGLO, OM4, BRAZIL	COG	CFOT	OM4	4
9GT5C008ET501MB	CFOT-MM50-UT 08FO COG (OM4)	8 INDOOR/OUTDOOR, LOOSETUBE, GEL, MMF, 50/125, XGLO, OM4, BRAZIL	COG	CFOT	OM4	8
9GT5C012GT501MB	CFOT-MM50-UT 12FO COG (OM4)	12 INDOOR/OUTDOOR, LOOSETUBE, GEL, MMF, 50/125, XGLO, OM4, BRAZIL	COG	CFOT	OM4	12
9GT8C004CE201MB	CFOT-SM-UT 04FO COG	4 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	4
9GT8C006DE201MB	CFOT-SM-UT 06FO COG	6 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	6
9GT8C008EE201MB	CFOT-SM-UT 08FO COG	8 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	8
9GT8C012GE201MB	CFOT-SM-UT 12FO COG	12 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	12
9PE8L004BE2A080MB	CFOA-SM-AS 80-S 04 NR (KP)	4 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	4
9PE8L004BE2A120MB	CFOA-SM-AS-120-S 04FO-NR (KP)	4 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,120M, LDPE,BRAZIL	LDPE	CFOA	SM	4
9PE8L006BE2A080MB	CFOA-SM-AS 80-S 06 NR (KP)	6 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	6
9PE8L006BE2A120MB	CFOA-SM-AS-120-S 06FO-NR (KP)	6 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,120M, LDPE,BRAZIL	LDPE	CFOA	SM	6
9PE8L006BE2A200MB	CFOA-SM-AS 200-S 06FO NR KP	06 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,200M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	6
9PE8L008BE2A080MB	CFOA-SM-AS 80-S 08 NR (KP)	8 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	8
9PE8L012BE2A080MB	CFOA-SM-AS 80-S 12 NR (KP)	12 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	12
9PE8L012BE2A120MB	CFOA-SM-AS-120-S 12FO-NR (KP)	12 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,120M, LDPE,BRAZIL	LDPE	CFOA	SM	12
9PE8L012DE2A200MB	CFOA-SM-AS 200-S 12FO NR KP	12 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,200M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	12
9PE8L024DE2A120MB	CFOA-SM-AS-120-S 24FO-NR (KP)	24 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS, 120M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	24
9PE8L024DE2A200MB	CFOA-SM-AS 200-S 24FO NR KP	24 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,200M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	24
9PE8L024DE2A80MB	CFOA-SM-AS 80-S 24 NR (KP)	24 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,80M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	24
9PF5C004CART501MB	CFOA-MM50-AREU-G 04FO (OM4)	4 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	4
9PF5C006DART501MB	CFOA-MM50-AREU-G 06FO (OM4)	6 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	6
9PF5C008EART501MB	CFOA-MM50-AREU-G 08FO (OM4)	8 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	8
9PF5C012GART501MB	CFOA-MM50-AREU-G 12FO (OM4)	12 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	12
9PF5L004CT301MB	CFOA-MM50-AREU-G 04FO (OM3)	4 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	4
9PF5L006DT301MB	CFOA-MM50-AREU-G 06FO (OM3)	6 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	6
9PF5L008ET301MB	CFOA-MM50-AREU-G 08FO (OM3)	8 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	8
9PF5L012GT301MB	CFOA-MM50-AREU-G 12FO (OM3)	12 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	12
9PF8L004CE201MB	CFOA-SM-AREU-G 04FO	4 STRAND,OUTDOOR,LOOSE TUBE,GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	4
9PF8L006DE201MB	CFOA-SM-AREU-G 06FO	6 STRAND,OUTDOOR,LOOSE TUBE,GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	6
9PF8L008EE201MB	CFOA-SM-AREU-G 08FO	8 STRAND,OUTDOOR,LOOSE TUBE,GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	8
9PF8L012GE201MB	CFOA-SM-AREU-G 12FO	12 STRAND,OUTDOOR,LOOSE TUBE,GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	12

Descrição	Siemon	Descrição Siemon				
CFOA-MM50-AREU-G 04FO (OM3)	9PF5L004CT301MB	4 STRAND,OUTDOOR,LOOSE TUBE, GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	4
CFOA-MM50-AREU-G 04FO (OM4)	9PF5C004CART501MB	4 STRAND,OUTDOOR,LOOSE TUBE, GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	4
CFOA-MM50-AREU-G 06FO (OM3)	9PF5L006DT301MB	6 STRAND,OUTDOOR,LOOSE TUBE, GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	6
CFOA-MM50-AREU-G 06FO (OM4)	9PF5C006DART501MB	6 STRAND,OUTDOOR,LOOSE TUBE, GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	6
CFOA-MM50-AREU-G 08FO (OM3)	9PF5L008ET301MB	8 STRAND,OUTDOOR,LOOSE TUBE, GEL,MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	8
CFOA-MM50-AREU-G 08FO (OM4)	9PF5C008EART501MB	8 STRAND,OUTDOOR,LOOSE TUBE, GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	8
CFOA-MM50-AREU-G 12FO (OM3)	9PF5L012GT301MB	12 STRAND,OUTDOOR,LOOSE TUBE, GEL, MMF,50/125,XGLO,OM3, DBLJKT,ARMOR,LDPE,BRAZIL	LDPE	CFOA	OM3	12
CFOA-MM50-AREU-G 12FO (OM4)	9PF5C012GART501MB	12 STRAND,OUTDOOR,LOOSE TUBE,GEL,MMF,50/125,XGLO,OM4, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	OM4	12
CFOA-SM-ARD-G 12FO (PAP)	9AGC012GDRE201MB	12 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-G, COG, BLACK, BRASIL	COG	CFOA	SM	12
CFOA-SM-ARD-G 24FO	9AG8C024MDRE201MB	24 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-G, COG, BLACK, BRASIL	COG	CFOA	SM	24
CFOA-SM-ARD-S 12FO LSZH (PAP)	9AS8L012GDRE201MB	12 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	12
CFOA-SM-ARD-S 24FO LSZH (PAP)	9AS8L024MDRE201MB	24 STRAND, OUTDOOR, LOOSETUBE, ARMOR, SMF, OS2, XGLO, ARD-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	24
CFOA-SM-AREU-G 04FO	9PF8L004CE201MB	4 STRAND,OUTDOOR,LOOSE TUBE, GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	4
CFOA-SM-AREU-G 06FO	9PF8L006DE201MB	6 STRAND,OUTDOOR,LOOSE TUBE, GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	6
CFOA-SM-AREU-G 08FO	9PF8L008EE201MB	8 STRAND,OUTDOOR,LOOSE TUBE, GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	8
CFOA-SM-AREU-G 12FO	9PF8L012GE201MB	12 STRAND,OUTDOOR,LOOSE TUBE, GEL,SMF,XGLO,OS1/OS2, DBLJKT,ARMOR,LDPE,BRAZIL	NR	CFOA	SM	12
CFOA-SM-AS 200-S 06FO NR KP	9PE8L006BE2A200MB	06 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,200M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	6
CFOA-SM-AS 200-S 12FO NR KP	9PE8L012BE2A200MB	12 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,200M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	12
CFOA-SM-AS 200-S 24FO NR KP	9PE8L024DE2A200MB	24 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,200M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	24
CFOA-SM-AS 80-S 04 NR (KP)	9PE8L004BE2A080MB	4 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	4
CFOA-SM-AS 80-S 06 NR (KP)	9PE8L006BE2A080MB	6 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	6
CFOA-SM-AS 80-S 08 NR (KP)	9PE8L008BE2A080MB	8 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	8
CFOA-SM-AS 80-S 12 NR (KP)	9PE8L012BE2A080MB	12 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,80M, LDPE,BRAZIL	LDPE	CFOA	SM	12
CFOA-SM-AS 80-S 24 NR (KP)	9PE8L024DE2A80MB	24 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,80M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	24
CFOA-SM-AS-120-S 04FO-NR (KP)	9PE8L004BE2A120MB	4 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,120M, LDPE,BRAZIL	LDPE	CFOA	SM	4
CFOA-SM-AS-120-S 06FO-NR (KP)	9PE8L006BE2A120MB	6 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,120M, LDPE,BRAZIL	LDPE	CFOA	SM	6
CFOA-SM-AS-120-S 12FO-NR (KP)	9PE8L012BE2A120MB	12 STRAND, OUTDOOR,LOOSE , TUBE GEL, SMF, XGLO, OS1/OS2,DBLJKT, NON ARMOR, ADSS,120M, LDPE,BRAZIL	LDPE	CFOA	SM	12
CFOA-SM-AS-120-S 24FO-NR (KP)	9PE8L024DE2A120MB	24 STRAND,OUTDOOR,GEL,SMF,XGLO,OS2, DBLJKT,NON ARMOR,ADSS,120M, LDPE,NR,BRAZIL	LDPE	CFOA	SM	24
CFOA-SM-DDR-G 36FO RC	9DG8C036ODRE201MB	36 STRAND, OUTDOOR, GEL, SMF, OS2, DBLJKT, ARMOR, RC, BLACK, BRASIL	NR	CFOA	SM	36
CFOA-SM-DDR-S 04FO	9DS8C004CDRE201MB	4 STRAND, INDOOR/OUTDOOR,LOOSETUBE,SMF, XGLO, DDR-S, COG, BLACK, BRAZIL	NR	CFOA	SM	4
CFOA-SM-DDR-S 08FO	9DS8C008EDRE201MB	8 STRAND, INDOOR/OUTDOOR,LOOSETUBE,SMF, XGLO, DDR-S, COG, BLACK, BRAZIL	NR	CFOA	SM	8
CFOA-SM-DDR-S 12FO	9DS8C012GDRE201MB	12 STRAND, INDOOR/OUTDOOR,LOOSETUBE,SMF, XGLO, DDR-S, COG, BLACK, BRAZIL	NR	CFOA	SM	12
CFOA-SM-DDR-S 12FO LSZH	9DS8L012GDRE201MB	12 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	12
CFOA-SM-DDR-S 24FO	9DS8C024MDRE201MB	24 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, BLACK, BRASIL	NR	CFOA	SM	24
CFOA-SM-DDR-S 24FO LSZH	9DS8L024MDRE201MB	24 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, LSZH, BLACK, BRASIL	LSZH	CFOA	SM	24
CFOA-SM-DDR-S 36FO	9DS8C036ODRE201MB	36 STRAND, OUTDOOR, LOOSETUBE, GEL FREE, ARMOR, SMF, OS2, XGLO, DDR-S, BLACK, BRASIL	NR	CFOA	SM	36
CFOT-MM50-EO 04FO COG (OM3)	9GD5C004CT301MB	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,COG,BLACK,BRAZIL	COG	CFOT	OM3	4
CFOT-MM50-EO 04FO COG (OM4)	9GD5C004CT501MB	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	4
CFOT-MM50-EO 04FO LSZH (OM3)	9GD5H004CT301MB	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,LSZH,BLACK,BRAZIL	LSZH	CFOT	OM3	4
CFOT-MM50-EO 04FO LSZH (OM4)	9GD5H004CT501MB	4 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	4
CFOT-MM50-EO 06FO COG (OM3)	9GD5C006DT301MB	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,COG,BLACK,BRAZIL	COG	CFOT	OM3	6
CFOT-MM50-EO 06FO COG (OM4)	9GD5C006DT501MB	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	6
CFOT-MM50-EO 06FO LSZH (OM3)	9GD5H006DT301MB	06 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,LSZH,BLACK,BRAZIL	LSZH	CFOT	OM3	6
CFOT-MM50-EO 06FO LSZH (OM4)	9GD5H006DT501MB	6 STRAND,INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	6
CFOT-MM50-EO 08FO COG (OM4)	9GD5C008ET501MB	8 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	6
CFOT-MM50-EO 08FO LSZH (OM4)	9GD5H008ET501MB	8 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	8
CFOT-MM50-EO 12FO COG (OM3)	9GD5C012GT301MB	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,COG,BLACK,BRAZIL	COG	CFOT	OM3	12
CFOT-MM50-EO 12FO COG (OM4)	9GD5C012GT501MB	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM4,COG,BLACK,BRAZIL	COG	CFOT	OM4	8
CFOT-MM50-EO 12FO LSZH (OM3)	9GD5HC012GT301MB	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,MMF,50/125,XGLO,OM3,LSZH,BLACK,BRAZIL	LSZH	CFOT	OM3	12
CFOT-MM50-EO 12FO LSZH (OM4)	9GD5H012GT501MB	12 STRAND, INDOOR/OUTDOOR, TIGHT BUFFER, MMF, 50/125, XGLO, OM4, LSZH, BLACK, BRAZIL	LSZH	CFOT	OM4	12
CFOT-MM50-UB 12FO LSZH (OM4)	9GG5H012GT501MB	12 STRAND, INDOOR/OUTDOOR,LOOSETUBE, OM4, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	OM4	12
CFOT-MM50-UB 24FO LSZH (OM4)	9GG5H024MT501MB	24 STRAND, INDOOR/OUTDOOR,LOOSETUBE, OM4, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	OM4	24
CFOT-MM50-UB 48FO LSZH (OM4)	9GG5H048PT501MB	48 STRAND, INDOOR/OUTDOOR,LOOSETUBE, OM4, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	OM4	48
CFOT-MM50-UT 04FO COG (OM4)	9GT5C004CT501MB	4 INDOOR/OUTDOOR, LOOSETUBE, GEL, MMF, 50/125, XGLO, OM4, BRAZIL	COG	CFOT	OM4	4
CFOT-MM50-UT 08FO COG (OM4)	9GT5C008ET501MB	8 INDOOR/OUTDOOR, LOOSETUBE, GEL, MMF, 50/125, XGLO, OM4, BRAZIL	COG	CFOT	OM4	8
CFOT-MM50-UT 12FO COG (OM4)	9GT5C012GT501MB	12 INDOOR/OUTDOOR, LOOSETUBE, GEL, MMF, 50/125, XGLO, OM4, BRAZIL	COG	CFOT	OM4	12
CFOT-SM-EO 02FO LSZH	9GD8H002BE201MB	2 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	2
CFOT-SM-EO 04FO COG	9GD8C004CE201MB	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	4
CFOT-SM-EO 04FO LSZH	9GD8H004CE201MB	4 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	4
CFOT-SM-EO 06FO COG	9GD8C006DE201MB	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	06
CFOT-SM-EO 06FO LSZH	9GD8H006DE201MB	6 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	6
CFOT-SM-EO 08FO COG	9GD8C008EE201MB	8 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	08
CFOT-SM-EO 08FO LSZH	9GD8H008EE201MB	8 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	8
CFOT-SM-EO 12FO COG	9GD8C012GE201MB	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,COG,BLACK,BRAZIL	COG	CFOT	SM	12
CFOT-SM-EO 12FO LSZH	9GD8H012GE201MB	12 STRAND,INDOOR/OUTDOOR,TIGHT BUFFER,SMF,XGLO,OS1/OS2,LSZH,BLACK,BRAZIL	LSZH	CFOT	SM	12
CFOT-SM-UB 12FO LSZH	9GG8H0012CE201MB	12 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	SM	12
CFOT-SM-UB 24FO COG	9GD8C024ME201MB	24 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, COG, BLACK, BRASIL	COG	CFOT	SM	24
CFOT-SM-UB 24FO LSZH	9GG8H0024ME201MB	24 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	SM	24
CFOT-SM-UB 48FO COG	9GD8C048PE201MB	48 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, COG, BLACK, BRASIL	COG	CFOT	SM	48
CFOT-SM-UB 48FO LSZH	9GG8H048PE201MB	48 STRAND, INDOOR/OUTDOOR,LOOSETUBE, SM, XGLO, UB, LSZH, BLACK, BRASIL	LSZH	CFOT	SM	48
CFOT-SM-UT 04FO COG	9GT8C004CE201MB	4 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	4
CFOT-SM-UT 06FO COG	9GT8C006DE201MB	6 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	6
CFOT-SM-UT 08FO COG	9GT8C008EE201MB	8 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	8
CFOT-SM-UT 12FO COG	9GT8C012GE201MB	12 STRAND, INDOOR/OUTDOOR, LOOSETUBE, GEL, SMF, XGLO, OS1/OS2, BRAZIL	COG	CFOT	SM	12

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