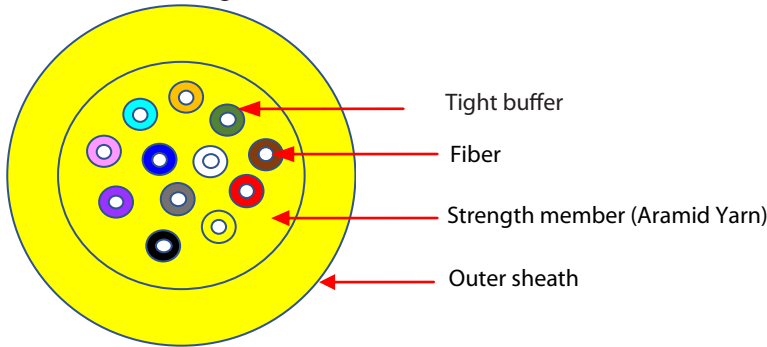


# PRODUCT SPECIFICATIONS

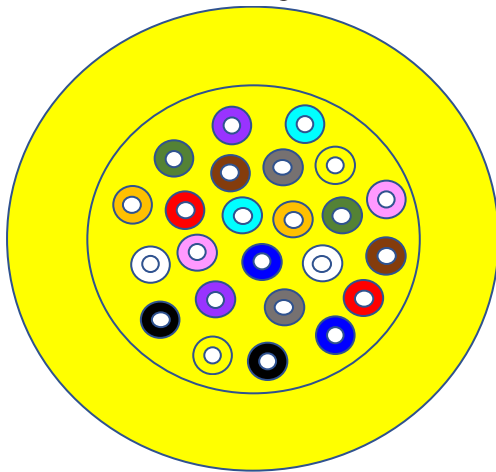
Low Strand Count (2 - 24) OS1a Singlemode Fiber Optic Cable



12 Fiber Configuration



24 Fiber Configuration



## PRODUCT DESCRIPTION

Fiber Optic Cable - OS1a Singlemode Fiber, Plenum or Riser Rated Cable that is offered in 2, 6, 12, or 24 fiber configuration.

FEATURES	
Certifications & Compliance	ANSI/TIA-568-C.3 ANSI/ICEA S-83-596 ISO/IEC 11801 IEC60793-2-50 Telcordia® GR-409 RoHS/Reach ISO 9001 ISO 14001 NFPA 262 / UL1666 UL Listed OFNP/FT6/OFNR/FT4
Packaging	500 meters on a wooden drum or custom length from 50 meters to 450 meters
Color	Yellow
Applications	100GBASE-LX/LX10/EX 10GBASE-LR/ER/LX4 25GBASE-LR/ER 40GBASE-FR/LR4/ER4 50GBASE-FR/LR 100GBASE-LR4/ER4 100GBASE-PSM4 (MSA) 100GBASE-CWDM4 (MSA) 100GBASE-CLR4 (MSA) 200GBASE-DR4/FR4/LR4 400GBASE-DR4/FR8/LR8 All Fibre Channel 1-128GFC

DESCRIPTION	PRODUCT ID
OS1a 2 Fiber Cable OFNP, XXX m, Yellow (Sold by the meter)	OFS02PYLXXX0
OS1a 6 Fiber Cable OFNP, XXX m, Yellow (Sold by the meter)	OFS06PYLXXX0
OS1a 12 Fiber Cable OFNP, XXX m, Yellow (Sold by the meter)	OFS12PYLXXX0
OS1a 24 Fiber Cable OFNP, XXX m, Yellow (Sold by the meter)	OFS24PYLXXX0
OS1a 2 Fiber Cable OFNR, XXX m, Yellow (Sold by the meter)	OFS02NYLXXX0
OS1a 6 Fiber Cable OFNR, XXX m, Yellow (Sold by the meter)	OFS06NYLXXX0
OS1a 12 Fiber Cable OFNR, XXX m, Yellow (Sold by the meter)	OFS12NYLXXX0
OS1a 24 Fiber Cable OFNR, XXX m, Yellow (Sold by the meter)	OFS24NYLXXX0

XXX - number of meters / for example: 090 = 90 meters  
 Maximum reel length is 500 meters  
 Minimum order is 50 meters  
 Cut charge applied to multiple cuts of the same Product ID per order

# PRODUCT SPECIFICATIONS

## Low Strand Count (2 - 24) OS1a Singlemode Fiber Optic Cable



### MATERIAL SPECIFICATIONS

	Plenum	Riser
Fiber Type	G.652.D / G.657.A1	
Type of Cable	Tight Buffered	
Jacket Material	OFNP PVC	OFNR PVC
Color	Yellow	
Strength Member	Aramid Yarn	

### DIMENSIONAL SPECIFICATIONS

	Plenum				Riser			
Fibers	2	6	12	24	2	6	12	24
Cable Diameter (Nominal)	4.0 ± 0.2 mm	5.1 ± 0.3 mm	6.2 ± 0.3 mm	8.1 ± 0.3 mm	4.0 ± 0.2 mm	5.1 ± 0.3 mm	6.2 ± 0.3 mm	8.1 ± 0.3 mm
Cable Weight 500 meters (Net + Package)	(6 + 3) kg	(10 + 6) kg	(16 + 10) kg	(26.5 + 13) kg	(6 + 3) kg	(10 + 6) kg	(16 + 10) kg	(26.5 + 13) kg

### MECHANICAL SPECIFICATIONS

	Plenum	Riser
Installation Tension (Max)	99 lb. / 440 N (2, 6 and 12F); 148.5 lb. / 660 N (24F)	
Long Term Load (Max)	29.3 lb. / 130 N (2, 6 and 12F); 45 lb. / 200 N (24F)	
TIA/EIA FOTP-25 Impacts	4.34 ft-lb / 5.88 N-m	
TIA/EIA FOTP-41 Crush Resistance	1000 N/100 mm	
TIA/EIA FOTP-104 Cable Flexibility	100 Cycles	
Minimum Bend Radius – Install (20* Diameter)	3.2 in / 8.0 cm (2F), 4.0 in / 10.2 cm (6F), 4.9 in / 12.4 cm (12F), 6.4 in / 16.2 cm (24F)	
Minimum Bend Radius – Long Term (10* Diameter)	1.6 in / 4.0 cm (2F), 2.0 in / 5.1 cm (6F), 2.4 in / 6.2 cm (12F), 3.2 in / 8.1 cm (24F)	

### TRANSMISSION SPECIFICATIONS

	Plenum	Riser
Mode Field Diameter @ 1310 nm	9.2 um	
Attenuation @ 1310, 1383, 1550 nm (Max)	1.0 dB/km, 1.0 dB/km, 0.8 dB/km	
Dispersion Coefficient 1285 ~1340 nm 1550 nm 1625 nm	≥ -3.4; ≤ 3.4 ps/(nm-km) ≤ 18 ps/(nm-km) ≤ 22 ps/(nm-km)	

### TEMPERATURE RANGE

	Plenum	Riser
Storage Temperature	-4 °F to +140 °F (-20 °C to +60 °C)	
Installation Temperature	+23 °F to +122 °F (-5 °C to +50 °C)	
Operation Temperature	-4 °F to +140 °F (-20 °C to +60 °C)	
Humidity	10 % to 90 % RH	