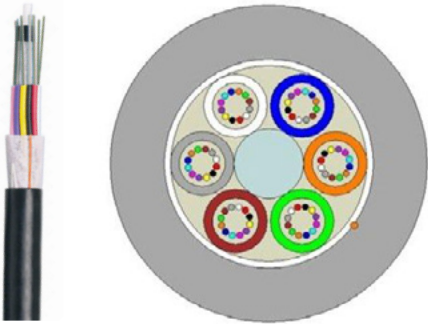


SPECIFICATIONS

Panduit Opti-Core Gel-Filled All-Dielectric Outside Plant (OSP) Cable offers gel-filled water-blocking technology, UV resistance, and high-density to provide standards compliance and flexibility for outdoor use. They can be used for aerial and duct applications and feature a non-metallic construction that eliminates the need to ground or bond. It also meets or exceeds the performance requirements of Telcordia GR-20, Issue 2 and ICEA 640 to withstand harsh outdoor environmental demands. Opti-Core All-Dielectric OSP Cable is available in singlemode (meets OS2 ITU-T G.652.D standards) OM3 and OM4 multimode fiber types. Available in fiber counts from 4 to 24 fibers as a “stranded loose tube” design. All Opti-Core Fiber Optic Cable is RoHS compliant.



STANDARDS

IEC/EN 60794-3

CONSTRUCTION

Central strength member - fiberglass reinforced plastic:	4-24 fibers:	2.5mm nominal			
Loose tube:	4-24 fibers:	2.2mm nominal			
Fiber colour code:	1 Blue	4 Brown	7 Red	10 Violet	
	2 Orange	5 Grey	8 Black	11 Pink	
	3 Green	6 White	9 Yellow	12 Aqua	
Water-blocking:	Cable jelly				
Wrapping:	Polyester tape				
Outer sheath thickness:	PE. 1 ripcord under the sheath/1.9mm nominal				
Outer sheath color:	Black				

APPLICATIONS

Aerial and duct applications

Opti-Core™ Gel-Filled All Dielectric Outside Plant Cable

MECHANICAL PROPERTIES

Tensile strength (installation):	2700 N
Tensile strength (long-term):	1800 N
Compressive strength (crush):	1100 N/100mm
Impact:	4.4 Nm, 3 impacts, r = 300mm
Torsion:	±180°, 10 cycles
Kink:	R = 10 x O.D. (cable outside diameter)
Temperature range:	Storage: -40°C to 70°C Installation: -10°C to 60°C
Water penetration:	No water leakage after 24 hours

PHYSICAL PROPERTIES

Fiber count:	4	6	8	12	24
Cable outside diameter (O.D.):	10.9mm nominal				
Installation bend radius:	218mm				
Long-term bend radius:	218mm				
Cable weight:	95 kg/km				

PART NUMBER CONFIGURATOR

Example: FLTN912 Fiber, Gel-Filled All Dielectric Outside Plant Cable, Non Rated, OS2, 12-Fiber

Character	1	2	3	4	5	6	7
Example	F	L	T	N	9	1	2

1, 2- Fiber Product, Region	FL = Fiber Cable, Asia Pacific	5 - Fiber Type	9 = OS2 9/125µm X = OM3 10G 50/125µm Z = OM4 10G 50/125µm
3 - Cable Construction	T = Gel-Filled All Dielectric Outside Plant Cable	6, 7- Fiber Count	04 = 4-Fiber (OS2 only) 06 = 6-Fiber 08 = 8-Fiber (OS2 only) 12 = 12-Fiber 24 = 24-Fiber
4 - Flame Rating	N = Non Rated		

Country of Origin - China

