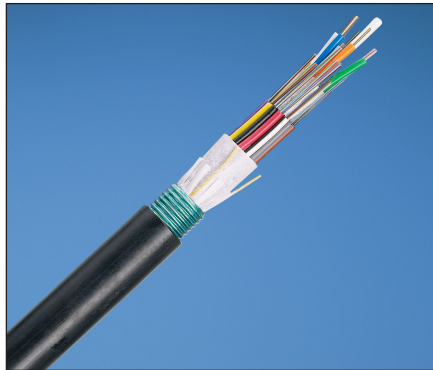


Opti-Core™ Gel-Filled Armored Outside Plant Cable - Asia Pacific

technical information

Panduit™ Opti-Core™ Gel-Filled Armored (OSP) Cable offers gel-filled water-blocking technology, UV resistance, and high density to provide standards compliance and flexibility for outdoor use. Opti-Core™ Armored OSP Cable has a single outer jacket and corrugated steel armor, (SASJ) to provide superior crush resistance for direct burial applications. 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™ Armored OSP Cable is available in singlemode (meets OS2 ITU-T G.652.D standards) OM1 multimode, and bend-insensitive OM2, OM3, and OM4 fiber types. Available in fiber counts from 2 to 144 fibers as a “stranded loose tube” design. All Opti-Core™ Fiber Optic Cable is RoHS compliant.



application

Well suited for duct or direct burial applications.

standards

IEC/EN 60794-3

construction

Central strength member	2 to 24-fibers: 02.2mm nominal 36 and 48-fibers: 02.5mm nominal 72-fibers: 02.7mm nominal 96-fibers: 02.7/4.4mm nominal 144-fibers: 02.7/7.6mm nominal			
Loose tube	2 to 24-fibers: 02.0mm nominal 36 and 48-fibers: 02.2mm nominal 72, 96, and 144-fibers: 02.5mm nominal			
Fiber color 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 1.7mm nominal			

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mechanical properties

Tensile strength (installation)	E1	2700N
Tensile strength (long-term)	E1	1700N
Compressive strength (crush)	E3	2200N/100mm
Impact	E4	4.4 Nm, 3 impacts, r = 300mm
Torsion	E7	±180°, 10 cycles
Kink	E10	R = 10 x D (cable diameter)
Temperature range	F1	Shipping/Storage: -40 °C to +70 °C Installation: -10 °C to +60 °C Operation: -30 °C to +70 °C
Water penetration	F5B	No water leakage after 24 hours

physical properties

Fiber Count	Cable O.D. Inches (mm)	Installation Bend Radius (mm)	Long-Term Bend Radius (mm)	Cable Weight (kg/km)
2	11.3 nominal	226	113	129
4	11.3 nominal	226	113	129
6	11.3 nominal	226	113	129
8	11.3 nominal	226	113	129
12	11.3 nominal	226	113	129
24	11.3 nominal	226	113	129
36	12.0 nominal	240	120	148
48	12.0 nominal	256	120	148
72	12.8 nominal	290	128	164
96	14.5 nominal	354	145	207
144	17.7 nominal	361	177	292

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ordering information

Example: FLWN512- Fiber, Gel-Filled Armored Outside Plant Cable, Non Rated, OM2, 12-Fiber

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

1 and 2 – Fiber Product

FL = Fiber- OS2, OM1, OM2,
OM3, OM4

3 – Cable Construction

W - Gel-filled Armored
Outside Plant Cable

4 – Flame Rating

N = Non rated

5 – Fiber Type

9 = OS2 9/125µm
6 = OM1 62.5/125µm
5 = OM2 50/125µm
X = OM3 10G 50/125µm
Z = OM4 10G 50/125µm

6 and 7 – Fiber Count

02 = 2-Fiber
04 = 4-Fiber
06 = 6-Fiber
08 = 8-Fiber
12 = 12-Fiber
24 = 24-Fiber
36 = 36-Fiber
48 = 48-Fiber
72 = 72-Fiber
96 = 96-Fiber
1A = 144-Fiber

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
cs-la@panduit.com
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information

Visit us at www.panduit.com

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