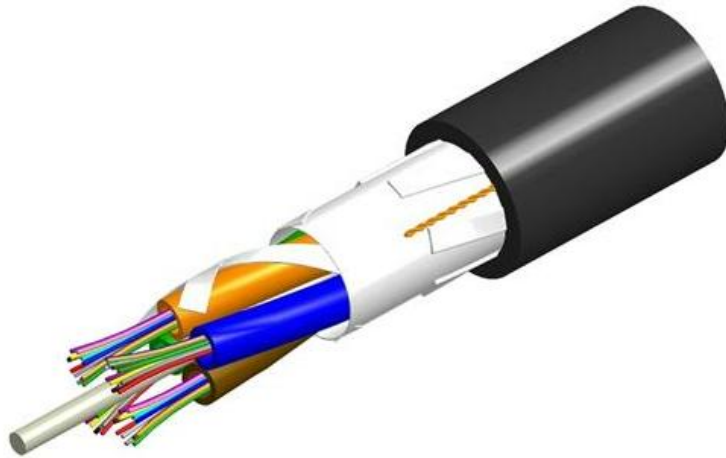


Fiber Optic Cable

Loose-Tube Unarmored Outdoor (Dielectric Strength Member)



Description

DME PROLINK's Loose-Tube Dielectric Unarmored outdoor cable is designed specifically for Military Environment and applications.

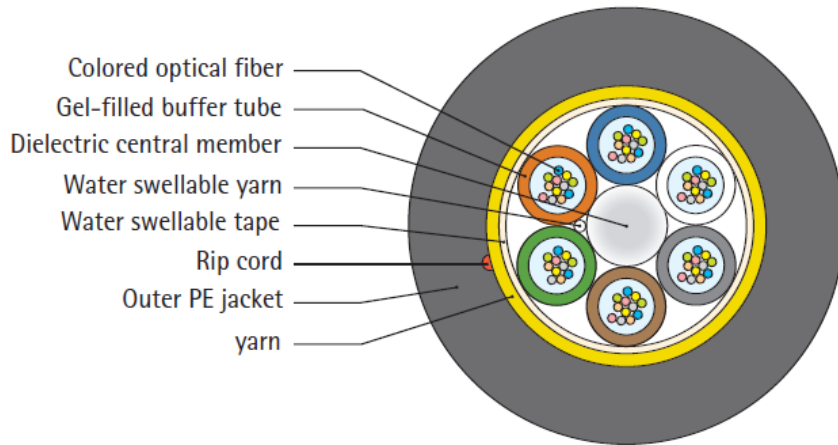
A non-metallic strength member make this cable ideal for High-electromagnetic environments and military deployments while retaining cable extremely good mechanical and environmental performance. Relatively light weight makes this cable easy to deploy. This fiber is compliant with IEC 60793, IEC 60794, ITU-T G652D.

Features

The cable core contains single mode fibers in loose tubes and required number of filler which are stranded (S-Z Stranding method) around central strength member consisting of FRP. SZ stranding design allows for mid-span access and isolates fiber from installation and Environmental rigors. The Loose tubes are filled with jelly compound. The cable also consist of Water blocking yarns and water blocking tape. The outer PE jacket is easy to strip, rugged and durable.

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D1151-nmspc

TECHNICAL DATA

Core No	Max.Fiber No. per tube	No. of Tubes	No. of Active Tubes	Central Member	Cable		Min. bending Radius	
					Diameter [mm]	Weight [kg/km]	Loaded [mm]	Installed [mm]
2-60	12	5	1-5	Dielectric (FRP)	11.2	92	168	112
61-72		6	6		11.8	103	177	118
73-96		8	7-8		13.1	127	197	131
97-120		10	9-10		14.7	155	221	147
121-192		16	11-16		16.0	172	240	160
193-216		18	17-18		16.7	200	250	167
241-288		24	21-24		18.6	240	279	186

Temperature and Environmental Conditions

Operating Temperature : -40°C to 70°C (-40°F to +158°F)

Installation Temperature : -30°C to 70°C (-22°F to +158°F)

Storage Temperature : -40°C to 70°C (-40°F to +158°F)



Technical Assistance
Middle East - +971 (4) 8118000
www.ecsglobalwire.com



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Physical Specifications

Mode field diameter at 1310nm	9.2um +/-0.5 um
Mode field concentricity error	< 0.6um
Cladding diameter	125um +/- 1um
Cladding non-circularity	< 1%
Primary coating material	UV curable acrylate
diameter	245 +/- 10um

Optical Specifications

Attenuation at 1310nm	≤ 0.35 dB/km.
at 1383nm	≤ 0.35 dB/km.
at 1550nm	≤ 0.22 dB/km.
Dispersion between	
at 1285 ~ 1330nm	≤ 3.5 ps/(nm.km)
at 1550nm	≤ 18 ps/(nm.km)
Zero dispersion wavelength	1300nm - 1324nm
Zero dispersion slope	≤ 0.092 ps/(nm ² .km)
Cable cut off wavelength	≤ 1260nm

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D	1	1	5	1	-	n	m	s	p	c
N					Number of Fibers					
02 - 120					02 - 120 Fibers					
m					Mode					
0					OM1					
1					OM2					
2					OM3					
3					OM4					
6					OS1					
7					OS2					
s					Sheath Construction					
PE					Polyethylene					
P					Physical Construction					
JF					Jelly-Filled					
c					Sheath Color					
BK					Black					

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TECHNICAL DATA

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