

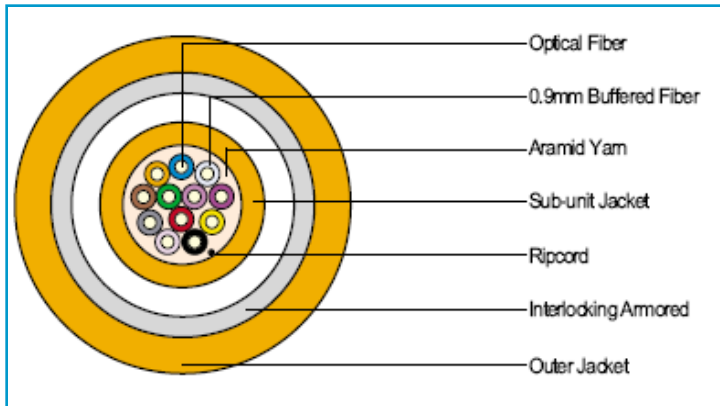


ORNET



Fiber Optic Distribution Cable

900um tight buffered Aramid yarn strength member Interlocking Armored Cable



Description/Applications:

- Distribution cables are rugged, high performance optical communication cables for inside plant installations
- Intra-building backbones and installations in riser and general-purpose environments
- Industrial and heavy traffic areas requiring extra protection for optical cables
- RoHS (Restriction of the use of Certain Hazardous Substances Directive) optional
- Enhance crush protection compared to unarmored cable

Specification:

- ISO/IEC 11801
- Telcordia GR-409-CORE
- ANSI/ICEA S-83-596

Options:

- Fiber - Single mode, 50 μm , 62.5 μm multi mode available
- Sub-unit & Outer Jacket color
 - Single Mode : Yellow
 - 62.5/125 μm 1Gbe : Orange
 - 50/125 μm 1Gbe : Orange
 - 50/125 μm 10Gbe : Aqua
- If the cable will be used indoor/outdoor applications, outer cable jacket shall be black
- Outer jacket : PVC or LSZH (Low Smoke Zero Halogen)

ORNET Sdn. Bhd.

47-4, Jalan SP 2/1, Taman Serdang Perdana, Seksyen 2, 43300 Seri Kembangan, Selangor, MALAYSIA.

Email : info@ornets.com

Tel : +603 - 89412300

Website : www.ornets.com

Fax : +603 - 89415300



ORNET



Colour of Buffer:

- | | | |
|-------------|--------------------------|--------------------------|
| 01 - Blue | 09 - Yellow | 17 - Grey / Black dash |
| 02 - Orange | 10 - Violet | 18 - White / Black dash |
| 03 - Green | 11 - Pink | 19 - Red / Black dash |
| 04 - Brown | 12 - Aqua | 20 - Black / White dash |
| 05 - Grey | 13 - Blue / Black dash | 21 - Yellow / Black dash |
| 06 - White | 14 - Orange / Black dash | 22 - Violet / Black dash |
| 07 - Red | 15 - Green / Black dash | 23 - Pink / Black dash |
| 08 - Black | 16 - Brown / Black dash | 24 - Aqua / Black dash |

Mechanical Characteristics:

Storage Temperature : -20 to + 70°C / Operating Temperature : -10 to + 60°C

	Fiber Count	Inner Diameter [mm]	Armored Cable [mm]	Nominal Weight [kg/km]	Maximum Tensile Load		Minimum Bend Radius	
					Short Term [N]	Long Term [N]	Loaded [mm]	Installed [mm]
Single Unit	2	4.5	12.0	135	660	300	240	120
	4	5.3	12.0	140	660	300	240	120
	6	5.7	12.0	145	660	300	240	120
	8	6.0	13.3	165	660	300	266	133
	12	5.7	13.3	170	660	300	266	133
	16	8.5	17.5	200	1320	660	350	175
	24	9.8	17.5	215	1320	660	350	175
6 Fiber Subunits	24*	13.9	21.6	330	1320	660	432	216

*Single mode 24fiber cable is subunit Construction only

Transmission Characteristics:

	9/125 μ m (1310/1550nm)	50/125 μ m Standard (850/1300nm)	50/125 μ m Gigabit (850/1300nm)	50/125 μ m 10Gigabit (850/1300nm)	62.5/125 μ m Standard (850/1300nm)	52.5/125 μ m Gigabit (850/1300nm)
Attenuation(dB/km) Typical values	0.5/0.4	3.0/1.0	3.0/1.0	3.0/1.0	3.5/1.0	3.5/1.0
Minimum Bandwidth (MHz • km)	-	500/500	500/500	1500/500	200/500	200/500
Ethernet Link Distance (m)	10Gbps	-	-	300	-	-
	1Gbps	-	-	550/550	-	250/550

ORNET Sdn. Bhd.

47-4, Jalan SP 2/1, Taman Serdang Perdana, Seksyen 2, 43300 Seri Kembangan, Selangor, MALAYSIA.

Email : info@ornets.com

Tel : +603 - 89412300

Website : www.ornets.com

Fax : +603 - 89415300