

INDOOR DISTRIBUTION CABLE

Distribution cables constructed of multiple 900µm tight-buffered fibers surrounded by aramid yarn strength members, with flexible sub-unit tubes to provide appropriate fiber protection and to simplify fiber identification.



KEY FEATURES :

- Suitable for any indoor applications
- 900µm tight-buffered coating fiber with flexible sub-units
- Offered in 4- to 144-Fiber
- Choices of Riser (OFNR), Low Smoke Zero Halogen (LSZH) and Plenum (OFNP) cable jacket
- Buffered fibers and sub-units are organized in accordance with TIA standard for easy identification
- Provides good fiber protection while maintaining superior cable bending flexibility

Specifications

Available Fiber Counts	4-, 6-, 8-, 12-, 16-, 24-, 48-, 72-, 96-, 144-Fiber
Available Fiber Modes	Singlemode (OS 1/2) Multimode (OM1, OM2, OM3, OM4)
Fiber Characteristic	Primary Coating : 250µm (245 +/- 10µm) Buffered Layer : 900µm (870 +/- 50µm) Buffer Color : 12-color Compliant to TIA-598
Outer Jacket Colors	Yellow - Singlemode (OS 1/2) Orange - Multimode (OM1, OM2) Aqua - Multimode (OM3, OM4)
Jacket Material Options	Riser (OFNR) Low Smoke Zero Halogen (LSZH) Plenum (OFNP)
Temperature Range	Storage or transportation : - 20°C to + 70°C Operation : - 20°C to + 70°C

Mechanical Characteristics

Parameters	Fiber	Fiber Count									
		4-Fiber	6-Fiber	8-Fiber	12-Fiber	16-Fiber	24-Fiber	48-Fiber	72-Fiber	96-Fiber	144-Fiber
Outer Diameter (mm)		4.8	5.2	6.2	6.8	7.4	8.4	12.5	21.0	25.8	28.2
No. of Sub-unit		N/A	N/A	N/A	N/A	N/A	N/A	N/A	6	8	12
Nominal Weight (Kg/km)		18	23	29	37	48	61	132	328	500	678
Max. Tension (N)											
Short-term		270	330	480	600	660	720	1200	2500	3000	4000
Long-term		90	110	160	200	220	240	520	1000	1200	1600
Max. Crushing Resistance (N/100)											
Short-term		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Long-term		300	300	300	300	300	300	300	300	300	300
Min. Bending Radius (mm)											
Dynamic		20D	20D	20D	20D	20D	20D	20D	20D	20D	20D
Static		10D	10D	10D	10D	10D	10D	10D	10D	10D	10D

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FiberFlex™ Distribution Cable

Item Description		Part No. with 3 Cable Jacket Options ⁽¹⁾		
Fiber Count	Fiber Mode	OFNR Jacket	LSZH Jacket	OFNP Jacket
xxx-Fiber	SM	FC01-xxxS1R	FC01-xxxS1L	FC01-xxxS1P
xxx-Fiber	OM1	FC01-xxxM1R	FC01-xxxM1L	FC01-xxxM1P
xxx-Fiber	OM2	FC01-xxxM2R	FC01-xxxM2L	FC01-xxxM2P
xxx-Fiber	OM3	FC01-xxxM3R	FC01-xxxM3L	FC01-xxxM3P
xxx-Fiber	OM4	FC01-xxxM4R	FC01-xxxM4L	FC01-xxxM4P

(1) "xxx" refers to nos. of fiber count, options available are "004", "006", "008", "012", "016", "024", "048", "072", "096", "144".

CABLE CROSS SECTION ILLUSTRATION

