

DRY CORE FIBER OPTIC CABLE SPECIFICATION (CIRCLE TYPE)



1. Dry Core Cable Description:

- Dry Core Cable is an optical fiber cable offering the competitive cost by reducing the volume & weight for easier cable laying & installation, as the cable is manufactured not using the jelly compound filler on the contrary with the loose tube type optical fiber cable.
- Tensile Load & compression characteristics are enhanced by inserting two steel wires or FRP, offering protection for optical fiber & tight buffer from physical impact from outside with the gap provided inside the cable thereby resulting in excellent optical & mechanical characteristics.
- Variety of cable types is available depending on the number of cores of optical fiber cable & installing location.

Features:

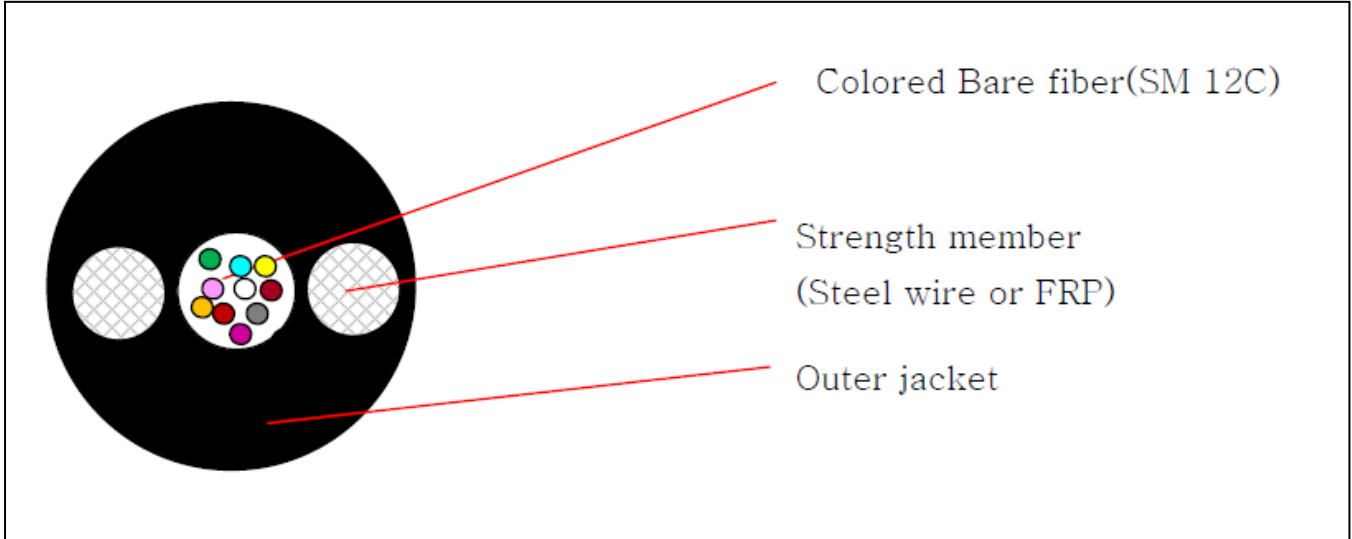
- Applicable for conduit & aerial installation
- Use with both optical fiber & tight buffer available
- Easy connection of optical fiber connector
- Excellent mechanical & optical characteristics
- Coating materials : Flame retardant PVC, PU, LSZH & etc.
- Operating Temperature Range : - 40~70°C

Applications:

- Conduit, Duct, Aerial Laying
- Luxury Condominium & Common Housing (FTTH)
- Office Buildings, Government Offices
- CATV, Internet cafe

2. Cable construction

2.1. Cross Section of Fiber Optic Cable



3. Characteristics

◆F : Fiber
◆TBF : Tight Buffered Fiber

Item	Class		Outer Diameter (mm)	Weight(kg/km)	Max. Tensile Load (kg-f)	Min. Bending Radius(mm)	
	No. of Cores	Type				Installation	Operation
Rectangle	2~12	F	3(H)X6(W)	28	150	D×20	D×10
	2	TBF	4(H)X8(W)	48			
Circle	2~12	F	7.0	53	150	D×20	D×10
	2~4	TBF	6.3	47			
Fig-8 Type	2~4	F	7.7(H)X2.7(W)	25	150	D×20	D×10
	2~12	TBF	11.0(H)X7.5(W)	50			

4. Optical Attenuation

Type/Wavelength(nm)		850	1300	1310	1383	1550	1625
Attenuation (dB/km)	Single-Mode(9/125)	-	-	≤0,40	≤1310nm	≤0,30	≤0,35
	Multimode	50,0/125	≤3,00	≤1,0	-	-	-
		62,5/125	≤3,50	≤1,5	-	-	-

Above cable construction & feature may be revised without prior notice to implement the quality improvement.