

GYFY53

Direct Buried Optical Fiber Cable FRP CSM Double Sheath PSP Enhanced Armor



Application:

- Excellent crush resistance
- Direct buried installation
- Semi-dry core design, easy for installation and splice

Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-

Technical Data:

Item	Contents	Value					
	Fiber Count	24	48	72	96	144	288
Loose Tube	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4
Central strength member	Material	FRP					
	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6
	Coated CSM diameter (mm)	-	-	-	4.2	7.4	4.8
Water Blocking material	Material	water blocking tape					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Armor	Material	Corrugated steel tape					
Outer Sheath	Thickness (mm)	Nominal:2.0					
Cable diameter(mm)Approx.		14.4	15.4	15.4	16.8	20.2	22.4
Cable weight(kg/km)Approx.		200	230	230	270	350	430
Operating temperature range(℃)		-40~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		3000/1000					

The colour arrangement of fibre and tube is specified in the colour identification table.

Other structure and fibre count are also available according to customer requirements.