



FONT-XXxXXSA1-F00

Indoor tight buffered distribution cable, XX Singlemode cable - CPR

- 1. Tight buffer fiber
- 2. Aramid yarn
- 3. Jacket



Multi-purpose backbone cable use multi-fiber subunits as optical communication medium, Ø900µm tightthe tight buffer fiber wrapped with a layer of aramid yarn as strength member for subunits. A fiber reinforced plastic (FRP) locates in the center of core as a non-metallic strength member. The subunits are stranded around the cable core. the cable is completed with LSZH jacket.

Feature / Benefits

- Backbone distribution cable in buildings
- Any purpose indoor cable distribution
- Multi optical fiber jumper
- Tight buffer fibre easy of stripping
- Aramid yarn and non-metallic strength member make cable have excellent tensile strength
- Easy to installation and harmless to environment etc.
- Excellent flame-retardant performance,LSZH jacket meet IEC 60332-3C
- 24-36 Cores, other jacket colors and standard are customerized

Fibre Optic, No Armor, Tight Buffer, 01 subunit x12 cores, Singlemode, G657A1 Fiber Type, Flame retardant jacket, 00 standard

Technical features

STRUCTURE

Cable Type	Fiber optic cable
Jacket Material	LSZH Yellow, CPR class: Eca , CPR1926-4 Classification

MECHANICAL SPECIFICATIONS

Crush Resistance (Operating)	1000 N / 100 mm
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OPTICAL SPECIFICATIONS

Fiber Type	Single-Mode G657A1
Optical Fiber Color	1. White 2. Blue 3. Orange 4. Green 5. Brown 6. Grey 7. Red 8. Black 9. Yellow 10. Violet 11. Pink 12. Aqua
Core/Clad	9 µm / 125 µm
Secondary Protection Nominal	240µm (in)
Fiber Attenuation	Max: ≤ 0.5dB/km@λ=1310nm & ≤0.4dB/km λ =1550nm dB/km
Zero Dispersion Slope	≤0.092 ps/km•nm
Dispersion (1285 - 1340 nm)	-3.5 ~ 3.5ps/(nm•km)
Mode Field Diameter (@ 1310 nm)	8,8
Cutoff wavelength cable	≤1260 nm

ENVIRONMENTAL

Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Operation Temperature	-20°C to 60°C (-4°F to 140°F)
Installation Temperature	-20°C to 60°C (-4°F to 140°F)



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ADDITIONAL INFORMATION FOR FAMILIES

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
	FONT-01x12SA1-F00	FONT-04x06SA1-F00	FONT-04x12SA1-F00	FONT-08x12SA1-F00	FONT-12x12SA1-F00
Number of Fiber	12	24	48	96	144
Number of Subunits		4	4	8	12
Number of Fiber per Subunit	12	6	12	12	12
Subunit Diameter	---	4 mm	5 mm	5 mm	5 mm
Outer Diameter Cable	6.2 mm	12.3 mm	14.8 mm	20.7 mm	24.8 mm
Cable Bending Radius Inst.	124 mm	246 mm	296 mm	414 mm	496 mm
Cable Bending Radius Oper.	62 mm	123 mm	148 mm	207 mm	248 mm
Cable Tensile Strength Inst.	660 N	660 N	1320 N	1320 N	1320 N
Cable Tensile Strength Oper.	200 N	200 N	400 N	400 N	400 N