

R795770 Central Loose Tube CST Cable, OM4, 12-fibers

Application

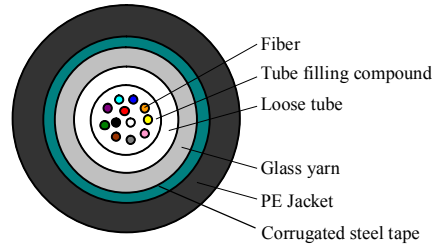
- Backbone in LAN's
- Indoor and outdoor
- Duct/Direct-buried

General

This specification covers the unitube cable with 2 to 24 fibers, glass yarn and MDPE sheath.

The cable complies with standard IEC 794-1

Construction



Construction Data

Fiber color	1.Blue 2. Orange 3.Green 4.Brown 5.Grey 6.White 7.Red 8.Black 9.Yellow 10.Violet 11.Pink 12.Aqua
Identification yarn color	1. Blue 2. Orange (As for 12f above cable, the loose tube contains two fiber bundles wrapped with identification yarn.)
Loose tube	PBT loose tube with jelly filling
Loose tube diameter	φ 2.8mm tube with 2~12 fibers/ φ 3.8mm tube with 14~24 fibers
Core reinforce	Glass yarn
Armoring	Corrugated steel tape
Out jacket material	MDPE/black
Jacket thickness	1.0mm

Technical Data-Physical

Fiber count	2~12	14~24
Cable diameter(mm)	8.3±0.5	9.6±0.5
Cable weight(kg/km)	77	94
Temperature rating	Storage: -40°C~+70°C Installation: -40°C~+70°C Operation: -40°C~+70°C	

Technical Data-Mechanical

Max. loading(IEC794-1) Installation Operation	1000N 500N
Min bend radius(IEC794-1) With load(mm) Without load(mm)	20×D 10×D
Crush resistance(IEC794-1)	2000N/100mm

Technical Data-Transmission

Fiber type	Unit	Single-mode G652D	Single-mode G657A2	Multimode 50/125μm	Multimode 62.5/125μm	Multimode OM3	Multimode OM4
Condition	nm	(1310/1550)	(1310/1550)	(850/1300)	(850/1300)	(850/1300)	(850/1300)
Cable fiber attenuation	dB/km	0.5/0.4	0.5/0.4	3.5/1.5	3.5/1.5	3.5/1.5	3.5/1.5
Bandwidth (Class A)	@850nm	----	----	≥200	≥1500	≥3500	
	@1300nm	----	----	≥500	≥500	≥500	
10Gb/s Ethernet link distance SX(850nm)	m	----	----	----	----	300	550
Mode field diameter	μm	9.2±0.4	8.8±0.4	----	----	----	----
Core diameter	μm	----	----	50±2.5	62.5±2.5	50±2.5	50±2.5
Cladding diameter	μm	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0	125±1.0
Coating diameter	μm	242±7.0	242±7.0	242±7.0	242±7.0	242±7.0	242±7.0