

Field cables



Design

Cable design	2 up to 4 tight tubes
Strain relief	Aramide yarn
Jacket material	TPU
Jacket colour	black

Properties

- For indoor and outdoor
- Strain relief with Aramide yarn
- For direct connector assembly
- Ripcord for easy jacket removal
- For high chemical resistance against fluids
- For high thermal and mechanical stability
- Halogen free and non-corrosive fire gases
- Metal free
- Longitudinal and transversal watertight cable
- Improved crush resistance

Applications

- For fixed installation
- Data cabling for harsh environment
- Connection of outdoor devices (e.g. FTTA)

According to IEC 60794-1-2

Ordering information

02-.../FSN(ZN)Z-...55

04-.../FSN(ZN)Z-...55

Please see page 159

Field cables

Specification				
Number of fibers		2	4	
Jacket Ø		5.5	5.5	mm
Tube Ø		0.9	0.9	mm
Approx. weight		25	26	kg/km

Mechanical properties					
Tensile strength	during installation	2000	2000	N	IEC 60794-1-2 E1
	in service	1000	1000	N	
Min. bend radius	during installation	90	90	mm	IEC 60794-1-2 E11
	in service	60	60	mm	
Crush resistance	short-term	400	400	N/cm	IEC 60794-1-2 E3
	long-term	100	100	N/cm	
Impact resistance	Wp = 2.25 J	300	300	impacts	IEC 60794-1-2 E4
Repeated bending	r = 30 mm, weight = 10 kg	20'000	20'000	cycles	IEC 60794-1-2 E6
Torsion	± 1400°, 1m	3	3	cycles	IEC 60794-1-2 E7
Water penetration	h = 1 m, 24h, p<3m	p	p		IEC 60794-1-2 F5A

Thermal properties					
Temperature range	during installation	-40 to +85		°C	IEC 60794-1-2 F1
	in service	-40 to +85		°C	
	in storage	-60 to +85		°C	

Combustion properties					
Fire load		0.44	0.47	MJ/m	
2002/95/EC (RoHS)		compliant			

p = passed