

Industry Link RADOX® TWINFIX – glass-armoured breakout cables



Properties

- Metal-free indoor and outdoor cable
- For direct connector assembly with strain relief
- Rodent-protected, glass-armoured
- Easy stripping
- Low smoke, halogen-free and self-extinguishing
- Improved crush resistance
- For high thermal and mechanical stability
- UV-protected, suitable for outdoor use
- Longitudinal and transversal watertight cable

Applications

- For fixed installation
- Industrial Ethernet and LAN
- Machine cabling
- As control or data cable in industrial plants
- Cabling in harsh environment conditions
- Connection to outdoor devices

Design

Cable design	2 single-fiber cables with tight tubes
Strain relief	glass-armoured
Jacket material	RADOX®
Jacket colour	black

According to IEC 60794-1-2

Ordering information

02-.../(ZNG)R-...22	UT-VQ(ZN)H(ZN)H 2...
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Please see page 213.

Specification				
Cable type		Industry Link TWINFIX		
Fiber types		E9 G50	H200	
Jacket Ø	mm	7.5 × 7.2	7.5 × 7.2	
Single-fiber cable Ø	mm	2.2	2.2	
Tube Ø	mm	0.9	0.9	
Channel marking on single-fiber		black and orange with arrows		
Approx. weight	kg/km	68	68	

Mechanical properties					
Tensile strength	during installation	N	4000	4000	IEC 60794-1-2 E1
	in service	N	2 x 100	2 x 100	
Min. bend radius	during installation	mm	40	70	IEC 60794-1-2 E11
	in service	mm	25	40	
Crush resistance	short-term	N/dm	12000	6000	IEC 60794-1-2 E3
	long-term	N/dm	2000	2000	
Impact resistance	Wp = 2.2 J	impacts	50	200	IEC 60794-1-2 E4
Repeated bending	r = 60 mm/1 kg	cycles	10 000	10 000	IEC 60794-1-2 E6
Torsion	± 360°	cycles	15000	15000	IEC 60794-1-2 E7
Water penetration	h = 1 m, 24 d, p < 3 m		p	p	IEC 60794-1-2 F5A

Thermal properties					
Temperature range	during installation	°C	-20 to +70	-20 to +70	IEC 60794-1-22 F1
	in service	°C	-45 to +75	-50 to +75	
	in storage	°C	-45 to +75	-50 to +75	

Combustion properties					
Fire load		MJ/m	0.8	0.8	
Fire propagation	on a vertical cable bundle		p	p	IEC 60332-3-25
Halogen acid gas	Jacket material		p	p	IEC 60754-1
Degree of acidity	Jacket material		p	p	IEC 60754-2
2011/65/EC (RoHS)			compliant		
Hazard level 3			compliant		EN 45545

p = passed