

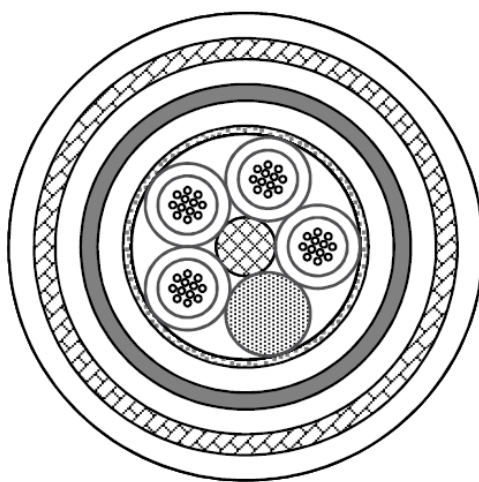
A-DQ(ZN)BHMHBY-fi

Fibre optic cable
60 °C service temperature, lead sheath, steel tape armoured, fire retardant, sunlight & oil resistant
adapted to VDE 0888-3

Application

Lead sheathed, halogen free fibre optic outdoor cable with improved fire characteristics. For MAN (city networks) and LAN (campus/backbone), suitable for splicing technique. Recommended for indoor and outdoor installation, on racks, trays, in conduits, in dry and wet locations; for direct burial, especially in presence of oil and aggressive chemical substances.

Construction



- | | |
|-----------------------|---|
| 1. Fibre: | SMF E9/125 |
| Colour code: | red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink |
| 2. Tube: | Stranded filled loose tube |
| Stranding: | Loose tubes and needed filling elements stranded around a dielectric central strength member |
| 3. Water tightness: | Water blocking tape over cable core. |
| 4. Strength elements: | Glass rovings helically applied over the cable core to provide tensile strength and rodent protection |
| 5. Inner sheath: | Zero halogen compound (1 st layer) |
| 6. Metallic sheath: | Lead sheath |
| 7. Inner sheath: | Zero halogen compound (2 nd layer) |
| 8. Armouring: | Steel tape armour |
| 9. Outer sheath: | PVC, black (other colors on request) |

Technical information

Fibre quality		SMF E9/125, acc. to G657.A1
Operating temperature	fixed installation	-20 °C to 60 °C
Installation temperature		-5 °C to 50 °C
Min. bending radius mm	during installation	20 x outer diameter in mm
	fixed installation	15 x outer diameter in mm
Max. tensile load		IEC 60794-1-2 E1, 3000N
Safety parameters		
Flame propagation	single cable	IEC 60332-1
	bunched cables	IEC 60332-3-24
Additional parameters		
UV resistance		UL1581 section1200
Oil resistance		ICEA S-73-532
Watertightness		IEC 60794-1-2 F5

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Optical properties at 20 °C

Fiber type				E9/125 OS2
Attenuation coefficient	dB/km	max.	at 1310nm	0,36
			at 1550nm	0,22
Dispersion	ps/(nm•km)	max.	at 1310nm	3,5
			at 1550nm	18

Number of Fibres	Ø under armour	Thickness of armour tape	RT of outer sheath	Outer Ø nom.	Weight nom.
	approx. mm	approx. mm	approx. mm	approx. mm	approx. kg/km
4 x 12	16,5	0,2	1,6	20,5	

La version française de cette fiche technique est disponible sur demande.
 De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.