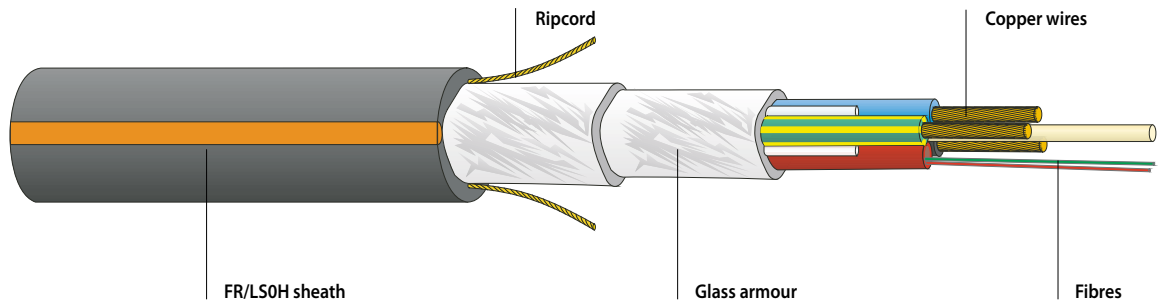


FIBRE OPTIC UNIVERSAL CABLES

FO Universal wbGGFR Combi / U-DQS(ZN)BH

Combination cable with 3 stranded copper wires, indoor and outdoor use

dry interstices, rodent protection,
in accordance with IEC 60332.1 and IEC 60332.3 .C



PRODUCT INFORMATION



FEATURES

The glass armour provides for a combined non metallic rodent protection and strain relief.
Two ripcords enable the safe opening of the cable sheath.
Dry stranding interstices - easy handling.
Longitudinal water resistance.
Flame retardant, flame resistant cable sheath.

APPLICATION

Camera combi cable in tunnels, underground railroads, large scale industry.
Pulling in or blowing through thermoplastic ducts.
Laying on cable platforms and cable trays.
Direct burial

OPTICAL CHARACTERISTICS

The cables are available with different types of optical fibre (see fibre data sheets).

MECHANICAL CHARACTERISTICS

Temperature range	storage:	-25 / +70°C	IEC 60794-1-2 F1
	during installation:	-10 / +50°C	
	in operation:	-25/ +60°C	
Tensile performance:	IEC 60794-1-2 E1		
Crush resistance:	IEC 60794-1-2 E3		
Impact:	IEC 60794-1-2 E4		
Repeated bending:	IEC 60794-1-2 E6		
Torsion:	IEC 60794-1-2 E7		
Bend:	IEC 60794-1-2 E11		
Water penetration:	IEC 60794-1-2 F5		

GENERAL CHARACTERISTICS

Imprint: DATWYLER «cable type» «Datwyler designation» «DIN designation»
«number of fibres» «fibre type» «additional text» «batch number»
~ ~ «meter marks» ~ ~

Zero halogen, non corrosive gases IEC 60754-1/-2, EN 50267-2-1/-2-2, VDE 0482-267-2-1/-2-2
 Flame retardant IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2
 Fire resistant (no flame propagation) IEC 60332.3 C, EN 50266-2-4, VDE 0482-266-2-4
 Minimum smoke emission IEC 61034-1/-2, EN 61034-1/-2 (EN 50268-1/-2), VDE 0482-1034-1/-2 (VDE 0482-268-1/-2)

Description	No. of fibres	Sheath Ø mm	Weight kg/km	Bending radius mm	Tensile load N	Crush resistance short term N
wbGGFR Combi 1 x 2 + 3 x 2.5 mm ²	2	13.0	233	200	3000	3000

VERSIONS

Description	Fibres number	Article No.	Article No.	Article No.
wbGGFR Combi 1 x 2 + 3 x 2.5 mm ²	2	E9/125 G.652.D	G50/125 OM2	G62.5/125 OM1
		186358	187348	186366

Copper

Fibre Optics

Cabinets & Racks

Data Centre

Wireless

Multimedia

General Information

GC-4004-Kamerakombikabel mit BA.0712/e