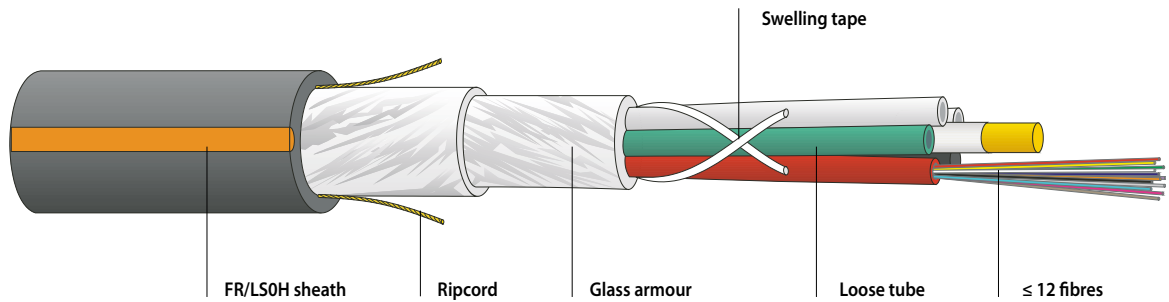


FIBRE OPTIC OUTDOOR CABLE

FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing through thermoplastic ducts

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



PRODUCT INFORMATION



FEATURES

Robust, non metallic fibre optic outdoor and indoor cable with stranded loose tubes.
Optimized for blowing through thermoplastic ducts:
Its good greasing characteristics, smooth and strong sheath surface and good internal strength provide for an axial linear motion and reduced friction (in comparison with standard indoor/outdoor cables).
Therefore a blowing length of up to 2000 m is possible.
Non metallic rodent protection.
Flame retardant and fire resistant sheath with very low fire load.
The coloured ripcords are easy to identify and enable the safe opening of the cable sheath.

APPLICATION

For blowing through thermoplastic ducts with blowing lengths of up to 2000 m.
In Premises cabling for LAN backbones (Campus and Vertical/Riser cabling) as well as for tunnels.

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) |

FO Universal wbGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing through thermoplastic ducts

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

PRODUCT INFORMATION

| Description | No. of fibres | Loose tubes | Sheath Ø | Weight | Bending radius | Tensile load | Crush resistance | | Fire load | |
|----------------------------|---------------|-------------|----------|--------|----------------|--------------|------------------|--------------|-----------|-------|
| U-DQ(ZN)BH n x m | | | mm | kg/km | mm | N | continuous N | short term N | kWh/km | MJ/km |
| wbGGFR5 Easy Blow 5 x 12 | 60 | 5 | 12.0 | 154 | 180 | 9000 | 3000 | 5000 | 627 | 2257 |
| wbGGFR6 Easy Blow 6 x 12 | 72 | 6 | 12.8 | 175 | 195 | 9000 | 3000 | 5000 | 698 | 2513 |
| wbGGFR8 Easy Blow 8 x 12 | 96 | 8 | 14.0 | 208 | 210 | 9000 | 3000 | 5000 | 925 | 3330 |
| wbGGFR10 Easy Blow 10 x 12 | 120 | 10 | 15.4 | 243 | 230 | 9000 | 3000 | 5000 | 1151 | 4144 |
| wbGGFR12 Easy Blow 12 x 12 | 144 | 12 | 16.9 | 286 | 255 | 9000 | 3000 | 5000 | 1367 | 4921 |
| wbGGFR12 Easy Blow 12 x 24 | 288 | 12 | 18.8 | 356 | 285 | 9000 | 3000 | 5000 | 1435 | 5165 |

VERSIONS

| U-DQ(ZN)BH n x m | Fibres | Article No. | Article No. | Article No. |
|----------------------------|--------|----------------|-------------|---------------|
| Description | number | E9/125 G.652.D | G50/125 OM2 | G62.5/125 OM1 |
| wbGGFR5 Easy Blow 1 x 12 | 12 | 190602 | on request | 186756 |
| wbGGFR5 Easy Blow 2 x 12 | 24 | 190215 | 186645 | 186561 |
| wbGGFR5 Easy Blow 3 x 12 | 36 | 190692 | 187319 | on request |
| wbGGFR5 Easy Blow 4 x 12 | 48 | 190216 | on request | 186757 |
| wbGGFR5 Easy Blow 5 x 12 | 60 | 190217 | on request | on request |
| wbGGFR6 Easy Blow 6 x 12 | 72 | 190218 | on request | 190753 |
| wbGGFR8 Easy Blow 8 x 12 | 96 | 190219 | on request | 186758 |
| wbGGFR10 Easy Blow 10 x 12 | 120 | 190220 | on request | on request |
| wbGGFR12 Easy Blow 12 x 12 | 144 | 190221 | on request | on request |
| wbGGFR12 Easy Blow 12 x 24 | 288 | 191701 | on request | on request |