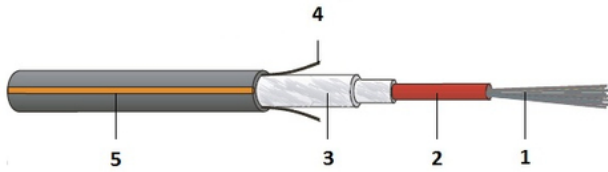


FO Universal ZGGFR Easy Blow / U-DQ(ZN)BH

Fire resistant, optimized for blowing, up to 24 fibres, Euroclass Dca metal-free, rodent protection, in accordance with IEC 60332.1 and IEC 60332.3 C



- 1 ≤ 24 fibres
- 2 Loose tube
- 3 Glass armour
- 4 Ripcord
- 5 FR/LSOH sheath (black)



DESCRIPTION

Robust, metal-free fibre optic outdoor and indoor cable with one central loose tube.

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).

Non-metallic rodent protection.

Flame retardant and fire resistant sheath (black) 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 PROPERTIES

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

MECHANICAL PROPERTIES

| | | | |
|----------------------|----------------------|-------------|-------------------|
| Temperature range | storage: | -25 / +70°C | IEC 60794-1-22 F1 |
| | during installation: | -10 / +50°C | |
| | in operation: | -25 / +60°C | |
| Tensile performance: | IEC 60794-1-21 E1 | | |
| Crush resistance: | IEC 60794-1-21 E3 | | |
| Impact: | IEC 60794-1-21 E4 | | |
| Repeated bending: | IEC 60794-1-21 E6 | | |
| Torsion: | IEC 60794-1-21 E7 | | |
| Bend: | IEC 60794-1-21 E11 | | |
| Water penetration: | IEC 60794-1-22 F5 | | |

STANDARDS

| | |
|----------------------------------|---|
| UV resistance | EN 50289-4-17 |
| Reaction to fire (Euroclass) | EN 13501-6: D _{ca} |
| Imprint | DATWYLER «cable type» «Datwyler designation» «DIN designation» «no. of fibres» «fibre type» «add. text» «batch no.» «meter marks» |
| Zero halogen, no corrosive gases | IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2 |
| Flame propagation | IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2 |
| Flame spread | IEC 60332-3-24, EN 60332-3-24, VDE 0482-332-3-24 |
| Smoke density | IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2 |

VERSIONS

| Article No. | DoP | Product | Reaction to fire (Euroclass) | Number of fibres | Loose Tubes | Sheath colour | Fibre type | Sheath Ø [mm] | Weight [kg/km] | Bending radius [mm] | Tensile load [N] | Crush resistance continuous [N] | Crush resistance short term [N] | Fire load [kWh/m] | PU |
|-------------|-----|----------------------------|------------------------------|------------------|-------------|---------------|--------------------|---------------|----------------|---------------------|------------------|---------------------------------|---------------------------------|-------------------|--------------|
| 19061700DZ | | FO Universal Easy Blow 1x4 | Dca-s2,d1,a1 | 4 | 1 | black | E9/125 G.652.D OS2 | 8.5 | 85 | 140 | 2500 | 2000 | 3000 | 0.356 | by the metre |
| 19182500DZ | | FO Universal Easy Blow 1x4 | Dca-s2,d1,a1 | 4 | 1 | black | G50/125 OM3 | 8.5 | 85 | 140 | 2500 | 2000 | 3000 | 0.356 | by the metre |
| 19036300DZ | | FO Universal Easy Blow 1x6 | Dca-s2,d1,a1 | 6 | 1 | black | E9/125 G.652.D OS2 | 8.5 | 85 | 140 | 2500 | 2000 | 3000 | 0.356 | by the metre |
| 19170000DZ | | FO Universal | Dca-s2,d1,a1 | 8 | 1 | black | E9/125 | 8.5 | 85 | 140 | 2500 | 2000 | 3000 | 0.356 | by the |

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| Easy Blow 1x8 | | | | | | | G.652.D OS2 | | | | | | | metre |
|---------------|-----------------------------|--------------|----|---|-------|--------------------|-------------|----|-----|------|------|------|-------|--------------|
| 19021300DZ | FO Universal Easy Blow 1x12 | Dca-s2,d1,a1 | 12 | 1 | black | E9/125 G.652.D OS2 | 8.5 | 85 | 140 | 2500 | 2000 | 3000 | 0.356 | by the metre |
| 19021400DZ | FO Universal Easy Blow 1x24 | Dca-s2,d1,a1 | 24 | 1 | black | E9/125 G.652.D OS2 | 9 | 92 | 145 | 2500 | 2000 | 3000 | 0.4 | by the metre |