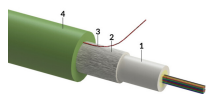


Universal central loose tube cable, FRLSZH sheath - green, Dca, 12- fibers OM3

2100 m



1. Gelgefüllte PBT Bündelader mit Glasfasern
2. Wasser-blockierendes E-Glas-Garn
3. Aufreißfaden
4. UV-stabiler FRLSZH Aussemantel

030.6309.B.1 / similar product

DESCRIPTION

Rodent protected, non-metallic central loose tube cable for up to a maximum of 12 fibers for indoor or outdoor duct installation.

TECHNICAL DATA

| DESCRIPTION | VALUE/VALUE RANGE |
|-------------------------------------|--------------------------|
| Cable type | Central loose tube cable |
| Jacket material | UV stable FRLSZH |
| CPR classification | Dca |
| Armour | Rodent protection |
| Fiber type | OM3 |
| Fiber Count | 12 |
| Application | universal-use |
| Cable family code | UT1EF |
| DIN/VDE Code | U-DQ(ZN)H wbg |
| DoP no.: | D9012 |
| Loose-tube count | 1 |
| Fiber count per tube | 12 |
| Loose tube nominal diameter [mm] | 2.3 mm |
| Outer jacket nominal thickness [mm] | 1 mm |
| Cable outer diameter [mm] | 5.2 mm |
| Cable version | n.a. |
| Standard put-up length on drum | 2100 m ± 5% |
| Halogen free, acid gases | Pass |
| RoHS | Pass |
| CPR classification detail | Dca-s2,d1,a1 |

MECHANICAL DATA

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| DESCRIPTION | VALUE/VALUE RANGE |
|---|--|
| Cable weight | 33.0 kg/km / 22 lbs/1000ft |
| Tensile performance - in service | 300 N |
| Tensile performance - in service test method | IEC 60794-1-21:E1 |
| Tensile performance - in service acceptance criteria | $\Delta\alpha \leq 0,05$ dB |
| Tensile performance - during installation | 1000 N |
| Tensile Performance during Installation TestMethod | IEC 60794-1-21:E1 |
| Tensile performance - during installation acceptance criteria | $\Delta\alpha \leq 0,05$ dB after test |
| Crush resistance - long term | 1000 N/100mm |
| Crush resistance - long term test method | IEC 60794-1-21:E3A |
| Crush resistance - long term acceptance criteria | $\Delta\alpha \leq 0,05$ dB prior release, no damage |
| Impact resistance | 10 Nm, 3 impacts, d=20 mm, R=300 mm |
| Impact resistance test method | IEC 60794-1-21:E4 |
| Impact resistance acceptance criteria | $\Delta\alpha \leq 0,05$ dB after test, no damage |
| Torsion | L = 1 m, rotation angle $\pm 180^\circ$, 10 cycles |
| Torsion test method | IEC 60794-1-21:E7 |
| Torsion acceptance criteria | no damage |
| Cable bend | R=20 x cable diameter, 4 turns, 3 cycles |
| Cable bend - test method | IEC 60794-1-21:E11A |
| Cable bend - acceptance criteria | $\Delta\alpha \leq 0,05$ dB after test, no damage |
| Repeated bending | R=20 x cable diameter, 25 cycles |
| Repeated bending test method | IEC 60794-1-21:E6 |
| Repeated bending acceptance criteria | no damage |

CLIMATIC DATA

| DESCRIPTION | VALUE/VALUE RANGE |
|----------------------------------|--------------------------------|
| Temperature cycling | -30 °C +70 °C / -22 °F +158 °F |
| Temperature cycling - reversible | -35 °C +70 °C / -31 °F +158 °F |
| Installation temperature | -5 °C +50 °C / +23 °F +122 °F |

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2100 m

| DESCRIPTION | VALUE/VALUE RANGE |
|-------------------------------|--------------------------------------|
| Operation temperature | -30 °C to +70 °C / -22 °F to +158 °F |
| Transport / store temperature | -35 °C to +70 °C / -31 °F to +158 °F |