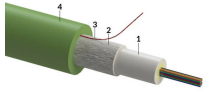


Central loose tube cable, universal-use, no armour, FRLSZH sheath - green, Dca, 01x08-fibers OM3



1. Gel filled PBT loose tube with optical fibers
2. Water-blocking e-glass yarn
3. Rip-cord
4. UV-stable FRLSZH outer sheath

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	8
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%
CPR classification detail	Dca-s2,d1,a1

MECHANICAL DATA

Central loose tube cable, universal-use, no armour, FRLSZH sheath - green, Dca, 01x08-fibers OM3

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	d=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

**Central loose tube cable, universal-use, no armour,
FRLSZH sheath - green, Dca, 01x08-fibers OM3**

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