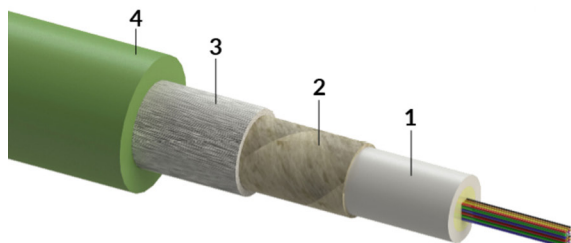


Central loose tube cable, fire-resistant, universal-use, FRLSZH sheath - green, Dca, 01x12-fibers OM4



1. Gel filled PBT loose tube with optical fibers
2. Fire-resistant tape
3. Water-blocking e-glass yarn
4. FRLSZH UV stable outer jacket

030.6314.B.1/ similar product

PRODUCT-NO	PRODUCT CODE
R855942	CLT-D01x2.3-QEONS-N1H_U-QDNR-01x12-M4-gn
CABLE TYPE	CABLE VERSION
Central loose tube cable	Fire-resistant
CABLE APPLICATION	DIN/VDE CODE
	U-DQ(BN)H wbg fr
CPR CLASSIFICATION	DOP NO.:
Dca-s1,d1,a1	D9004

GENERAL DESCRIPTION

Non-metallic fire-resistant central loose tube cable with improved rodent protection. With up to 12 fibers maximum, suitable for indoor or outdoor duct installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	OM4
Fiber count	12
Loose-tube count	1
Loose tube nominal diameter	2.3
Outer jacket nominal thickness	1.3
Cable outer diameter	7
Cable informative weight	58.0 kg/km / 39 lbs/1000ft
Standard put-up length on drum	2100 m ± 5%
Outer jacket material	UV stable FRLSZH
Jacket colour	green
Sheath marking	Ink-Jet, black

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MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	IEC 60794-1-21:E1	800 N	$\Delta\alpha \leq 0,05$ dB
Tensile performance - during installation	IEC 60794-1-21:E1	2000 N	$\Delta\alpha \leq 0,05$ dB after test
Crush resistance - long term	IEC 60794-1-21:E3A	1000 N/100mm	$\Delta\alpha \leq 0,05$ dB prior release, no damage
Crush resistance - short term	IEC 60794-1-21:E3A	2000 N/100mm	$\Delta\alpha \leq 0,05$ dB after release, no damage
Impact resistance	IEC 60794-1-21:E4	10 Nm, 3 impacts, d=20 mm, R=300 mm	$\Delta\alpha \leq 0,05$ dB after test, no damage
Torsion	IEC 60794-1-21:E7	L = 1 m, rotation angle $\pm 180^\circ$, 10 cycles	no damage
Kink	IEC 60794-1-21:E10		
Cable bend - no tension	IEC 60794-1-21:E11A	d=20 x cable diameter, 4 turns, 3 cycles	$\Delta\alpha \leq 0,05$ dB after test, no damage
Repeated bending	IEC 60794-1-21:E6	R=20 x cable diameter, 25 cycles	no damage

CLIMATICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Temperature cycling	IEC 60794-1-22:F1	-30 °C +70 °C / -22 °F +158 °F	$\Delta\alpha \leq 0,05$ dB
Temperature cycling - reversible	IEC 60794-1-22:F1	-35 °C +70 °C / -31 °F +158 °F	$\Delta\alpha \leq 0,15$ dB, reversible
Temperature range - in service		-30 °C to +70 °C / -22 °F to +158 °F	
Temperature range - during installation		-5 °C +5 °C / +23 °F +41 °F	
Temperature range - in storage & transport		-35 °C to +70 °C / -31 °F to +158 °F	
Moisture resistance	IEC 60794-1-22 F5B	L = 3 m, 1 m water height, 24 h	no water leakage

FIRE PROPERTIES

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE
Fire resistance	EN 60331-25 (180 min at 750°C)	Pass
Flammability - vertical cable bundle	EN 60332-3-22 (cat. A)	Pass
Smoke density	EN 61034-1, EN 61034-2	Pass
Halogen free, acid gases	EN 60754-2	Pass
Euro classification to CPR	EN 50575, EN 13501-6	Dca-s1,d1,a1