

Central loose tube cable, universal-use, imp. rodent protection, FRLSZH sheath - green, Dca, 01x24-fibers OM3



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

030.6309.B.1/ similar product

PRODUCT-NO	PRODUCT DESCRIPTION
R855646	CLT-D01x3.0-QEONS-G1H_U-SDNF-01x24-M3-gn
CABLE TYPE	CABLE VERSION
Central loose tube cable	n.a
CABLE APPLICATION	DIN/VDE CODE
universal-use	U-DQ(BN)H wbg
CPR CLASSIFICATION	DOP NO.:
Dca	D9031

GENERAL DESCRIPTION

Non-metallic central loose tube cable with improved rodent protection. With up to 24 fibers maximum, suitable for indoor or outdoor duct installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Cable family code	UX1GF
Fiber type	OM3
Fiber count per tube	24
Loose-tube count	1
Loose tube nominal diameter [mm]	3
Outer jacket nominal thickness [mm]	1.2
Cable outer diameter [mm]	7.2
Cable informative weight	58.0 kg/km / 39 lbs/1000ft
Outer jacket material	UV stable FRLSZH
Jacket colour	green
Fiber Color Code (IEC 60304)	1.-12.: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink 13.-24.: red, green, blue, yellow, white, grey, brown, violet, turquoise, natural, orange, pink(ring-marked)
Standard put-up length on drum	2100 m ± 5%

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

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DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
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
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	-35 °C +70 °C / -31 °F +158 °F	$\Delta\alpha \leq 0,15$ dB, reversible
Temperature cycling - reversible	IEC 60794-1-22:F1	-30 °C +70 °C / -22 °F +158 °F	
Temperature range in service		-30 °C to +70 °C / -22 °F to +158 °F	
Range during installation		-5 °C +50 °C / +23 °F +122 °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
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-s2,d1,a1