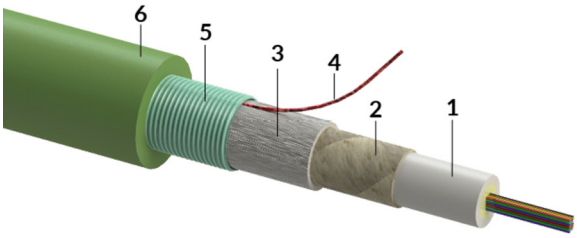
Datasheet

R855972

Central loose tube cable, fire-resistant, universal-use, CSTA-steel tape armour, FRLSZH sheath - green, Fca, 01x08-fibers OM3



1. Gel filled PBT loose tube with optical fibers
2. Fire-resistant tape
3. Water-blocking e-glass yarn
4. Rip-cord
5. Corrugated steel tape armour
6. FRLSZH UV stable outer jacket

030.6315.B.1/ similar product

PRODUCT-NO	PRODUCT CODE
R855972	CLT-D01x3.0-QEONS-C1H_U-QFNR-01x08-M3-gn
CABLE TYPE	**CABLE VERSION**
Central loose tube cable	Fire-resistant
CABLE APPLICATION	**DIN/VDE CODE**
universal-use	U-DQ(ZN)(SR)H wbg fr
CPR CLASSIFICATION	**DOP NO.:**
Cca-s1,d0,a1	D9044

GENERAL DESCRIPTION

Fire-resistant and corrugated steel tape armoured central loose tube cable with good mechanical and thus full rodent protection. With up to 24 fibers maximum, suitable for indoor or outdoor duct or direct buried installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	OM3
Fiber count	8
Loose-tube count	1
Loose tube nominal diameter	3
Outer jacket nominal thickness	1.3
Cable outer diameter	8
Cable informative weight	90.0 kg/km / 60 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
Fiber Color Code (IEC 60304)	1.-12.: red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink13.-24.: red, green, blue, yellow, white, grey, brown, violet, turquoise, natural, orange, pink(ring-marked)

Reichle & De-Massari AG
Binzstrasse 32
CH-8620 Wetzikon

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MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	IEC 60794-1-21:E1	500 N	Δα ≤ 0,05 dB
Tensile performance - during installtion	IEC 60794-1-21:E1	1500 N	Δα ≤ 0,05 dB after test
Crush resistance - long term	IEC 60794-1-21:E3A	2500 N/100mm	Δα ≤ 0,05 dB prior release, no damage
Crush resistance - short term	IEC 60794-1-21:E3A	5000 N/100mm	Δα ≤ 0,05 dB after release, no damage
Impact resistance	IEC 60794-1-21:E4	20 Nm, 3 impacts, d=20 mm, R=300 mm	Δα ≤ 0,05 dB after test, no damage
Torsion	IEC 60794-1-21:E7	L = 1 m, rotation angle ±180°, 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	Δα ≤ 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	Δα ≤ 0,05 dB
Temperature cycling - reversible	IEC 60794-1-22:F1	-35 °C +70 °C / -31 °F +158 °F	Δα ≤ 0,15 dB, reversible
Temperature range - in service		-30 °C to +70 °C / -22 °F to +158 °F	
Temperature range - during installation		-5 °C +50 °C / +23 °F +122 °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*	Cca-s1,d0,a1

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