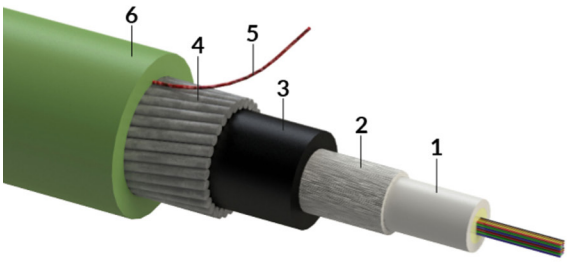
Datasheet

R855675

Central loose tube cable, universal-use, SWA-steel wire armour, FRLSZH sheath - green, Fca, 01x12-fibers OM3



1. Gel filled PBT loose tube with optical fibers
2. Water-blocking e-glass yarn
3. LDPE UV stable inner jacket
4. Zn galvanized steel wire armour fixed by PET tape
5. Rip-cord
6. FRLSZH UV stable outer jacket

030.6310.B.1/ similar product

PRODUCT-NO	PRODUCT CODE
R855675	CLT-D01x3.0-QEO2Y-W1H_U-SFNR-01x12-M3-gn
CABLE TYPE	**CABLE VERSION**
Central loose tube cable	n.a
CABLE APPLICATION	**DIN/VDE CODE**
universal-use	U-DQ(ZN)2YBH wbg (R 0,63vzk)
CPR CLASSIFICATION	**DOP NO.:**
Fca	D9030

GENERAL DESCRIPTION

Steel wire armoured central loose tube cable with good mechanical and thus full rodent protection.
The cable features a two jacket construction (inner on LDPE and outer on FRLSZH) with up to 24 fibers maximum and is suitable for indoor or outdoor duct or direct buried installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	OM3
Fiber count	12
Loose-tube count	1
Loose tube nominal diameter	3
Inner jacket nominal thickness	1.1
Steel wire nominal diameter	0.63
Outer jacket nominal thickness	1.3
Cable outer diameter	9.9
Cable informative weight	170.0 kg/km / 114 lbs/1000ft
Standard put-up length on drum	2100 m ± 5%
Outer jacket material	UV stable FRLSZH
Jacket colour	green

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DESCRIPTION	VALUE / VALUE RANGE
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)

MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	EN 60794-1-21:E1	n.a.	Δα ≤ 0,05 dB
Tensile performance - during installtion	EN 60794-1-21:E1	4500 N	Δα ≤ 0,05 dB after test
Crush resistance - long term	EN 60794-1-21:E3A	2000 N/100mm	Δα ≤ 0,05 dB prior release, no damage
Crush resistance - short term	EN 60794-1-21:E3A	4000 N/100mm	Δα ≤ 0,05 dB after release, no damage
Impact resistance	EN 60794-1-21:E4	20 Nm, 3 impacts, d=20 mm, R=300 mm	Δα ≤ 0,05 dB after test, no damage
Torsion	EN 60794-1-21:E7	L = 1 m, rotation angle ±180°, 10 cycles	no damage
Kink	IEC 60794-1-21:E10		
Cable bend - no tension	EN 60794-1-21:E11A	d=20 x cable diameter, 4 turns, 3 cycles	Δα ≤ 0,05 dB after test, no damage
Repeated bending	EN 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	EN 60794-1-22:F1	-20 °C +70 °C / -4 °F +158 °F	Δα ≤ 0,05 dB
Temperature cycling - reversible	EN 60794-1-22:F1	-30 °C +70 °C / -22 °F +158 °F	Δα ≤ 0,15 dB, reversible
Temperature range - in service		-20 °C to +70 °C / -4 °F to +158 °F	
Temperature range - during installation		-5 °C +50 °C / +23 °F +122 °F	
Temperature range - in storage & transport		-30 °C to +70 °C / -22 °F to +158 °F	
Moisture resistance	EN 60794-1-22:F5B	L = 3 m,1 m water height, 24 h	no water leakage under inner sheath

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*	*Fca*

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