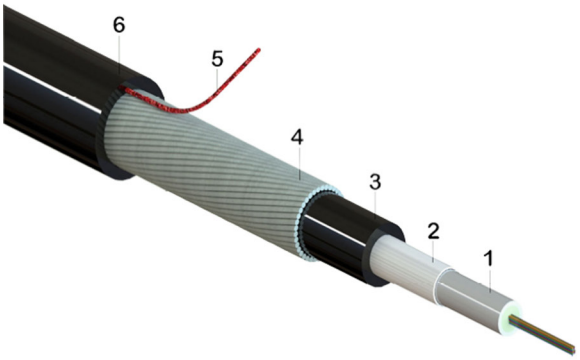
Datasheet

R855667

Central loose tube cable, outdoor-use, SWA-steel wire armour, HDPE sheath - black, 01x04-fibers G657.A1



030.6310.A.1/ similar product

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. HDPE UV stable outer jacket

PRODUCT-NO	PRODUCT CODE
R855667	CLT-D01x3.1-QEO2Y-W3Y_A-SNNR-01x04-S7-bk
CABLE TYPE	**CABLE VERSION**
Central loose tube cable	n.a
CABLE APPLICATION	**DIN/VDE CODE**
outdoor-use	A-DQ(ZN)2YB2Y wbg (R 0,63vzk)
CPR CLASSIFICATION	**DOP NO.:**
n.a	n.a

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 HDPE) with up to 24 fibers maximum and is suitable for outdoor duct or direct buried installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber type	G.657.A1
Fiber count	4
Loose-tube count	1
Loose tube nominal diameter	3.1
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	150.0 kg/km / 101 lbs/1000ft
Standard put-up length on drum	2100 m ± 5%
Outer jacket material	UV stable HDPE
Jacket colour	black

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

Central loose tube cable, outdoor-use, SWA-steel wire armour, HDPE sheath - black, 01x04-fibers G657.A1

DESCRIPTION	VALUE / VALUE RANGE
Sheath marking	Ink-Jet, white

MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	IEC 60794-1-21:E1		
Tensile performance - during installtion	IEC 60794-1-21:E1	4500 N	Δα ≤ 0,05 dB after test
Crush resistance - long term	IEC 60794-1-21:E3A	2000 N/100mm	Δα ≤ 0,05 dB prior release, no damage
Crush resistance - short term	IEC 60794-1-21:E3A	4000 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	-20 °C +70 °C / -4 °F +158 °F	Δα ≤ 0,05 dB
Temperature cycling - reversible	IEC 60794-1-22:F1	-25 °C +70 °C / -13 °F +158 °F	Δα ≤ 0,05 dB
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		-25 °C to +70 °C / -13 °F to +158 °F	
Moisture resistance	IEC 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
Euro classification to CPR		n.a

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