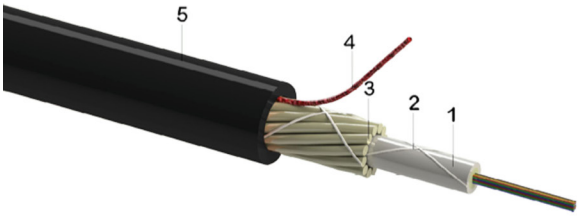
Datasheet

R855882

Central loose tube cable, outdoor-use, FRP armour, HDPE sheath - black, 01x12-fibers G652.D



1. Gel filled PBT loose tube with optical fibers
2. Water swellable yarn
3. Armour of FRP rods fixed by PET tape
4. Rip-cord
5. HDPE UV stable outer jacket

030.6313.A.1/ similar product

PRODUCT-NO	PRODUCT CODE
R855882	CLT-D01x3.0-QNONS-P3Y_A-SNNR-01x12-S2-bk
CABLE TYPE	**CABLE VERSION**
Central loose tube cable	n.a
CABLE APPLICATION	**DIN/VDE CODE**
outdoor-use	A-DQ(ZN)B2Y (FRP 1,0)
CPR CLASSIFICATION	**DOP NO.:**
n.a	n.a

GENERAL DESCRIPTION

Non-metallic FRP rods armoured central loose tube cable with good mechanical and thus full rodent protection. With up to 24 fibers maximum, suitable for outdoor duct or direct buried installation.

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Fiber count	12
Loose-tube count	1
Loose tube nominal diameter	3
Outer jacket nominal thickness	1.2
Cable outer diameter	7.4
Cable informative weight	52.0 kg/km / 35 lbs/1000ft
Standard put-up length on drum	2100/4100 m ± 5%
Outer jacket material	UV stable HDPE
Jacket colour	black
Sheath marking	Ink-Jet, white
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

Central loose tube cable, outdoor-use, FRP armour, HDPE sheath - black, 01x12-fibers G652.D

MECHANICAL DATA

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE	ACCEPTANCE CRITERIA
Tensile performance - in service	IEC 60794-1-21:E1	800 N	Δα ≤ 0,05 dB
Tensile performance - during installtion	IEC 60794-1-21:E1	2500 N	Δα ≤ 0,05 dB after test
Crush resistance - long term	IEC 60794-1-21:E3A	1500 N/100mm	Δα ≤ 0,05 dB prior release, no damage
Crush resistance - short term	IEC 60794-1-21:E3A	3000 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	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	-25 °C +70 °C / -13 °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		-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

FIRE PROPERTIES

DESCRIPTION	TEST METHOD	VALUE / VALUE RANGE
Euro classification to CPR		n.a

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