Data sheet R855731

Central loose tube, single sheathed cable, CST-corrugated steel tape armor, outdoor-use, UV.HDPE sheath - black, Fca, 01 x 12 fibers G657A1

1. Gel filled PBT loose tube with optical fibers
2. Water-blocking e-glass yarn
3. Rip-cord
4. Corrugated steel tape armor
5. UV stable HDPE outer sheath

DESCRIPTION

Corrugated steel tape armored central loose tube cable with excellent mechanical protection and thus secure rodent protected.
With up to 24 fibers maximum, suitable for outdoor duct or direct buried installation.

030.6311.A.EN. / similar product

TECHNICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Cable family code	OX1ECH
Cable type	Central loose tube cable
Cable version	n.a.
Cable application	outdoor use
DoP number	D9911
Fiber type	G.657.A1
Fiber count	12
Fiber color coding	1.-12.: red, green, blue, yellow, white, gray, brown, violet, turquoise, black, orange, pink13.-24.: red, green, blue, yellow, white, gray, brown, violet, turquoise, natural, orange, pink(ring-marked)
Fiber count per tube	24
Loose tube count	1
Loose tube diameter	3 mm
Armor	Corrugated steel tape armor (CSTA)
Outer sheath thickness	1.2 mm
Outer sheath material	UV stable HDPE
Outer sheath color	black
Sheath marking	Ink-Jet, white
Cable outer diameter	7.7 mm
Cable weight	70.0 kg/km / 47 lbs/1000ft
DIN / VDE 0888 code	A-DQ(ZN)(SR)2Y
Maximum put-up length on drum	4100 m ± 5%
CPR test method	EN 50575, EN 13501-6
Standard put-up length on drum	2100 m ± 5%
CPR classification	Fca

MECHANICAL DATA

DESCRIPTION	VALUE / VALUE RANGE
In-service tensile strength	500 N
In-service tensile strength acceptance criteria	Δα ≤ 0,05 dB
In-service tensile strength test method	IEC 60794-1-21:E1
Installation tensile strength	1500 N
Installation tensile strength acceptance criteria	Δα ≤ 0,05 dB after test
Installation tensile strength test method	IEC 60794-1-21:E1
Crush resistance long term	2500 N/100mm
Long-term crush resistance acceptance criteria	Δα ≤ 0,05 dB prior release, no damage
Long-term crush resistance test method	IEC 60794-1-21:E3A
Short-term crush resistance	5000 N/100mm
Short-term crush resistance acceptance criteria	Δα ≤ 0,05 dB after release, no damage
Short-term crush resistance test method	IEC 60794-1-21:E3A
Impact resistance	20 Nm, 3 impacts, d=20 mm, R=300 mm
Impact resistance acceptance criteria	Δα ≤ 0,05 dB after test, no damage
Impact resistance test method	IEC 60794-1-21:E4
Torsion	L = 1 m, rotation angle ±180°, 10 cycles
Torsion acceptance criteria	no damage
Torsion test method	IEC 60794-1-21:E7
Repeated bending	R=20 x cable diameter, 25 cycles
Repeated bending acceptance criteria	no damage
Repeated bending test method	IEC 60794-1-21:E6
Cable bend	d=20 x cable diameter, 4 turns, 3 cycles
Cable bend acceptance criteria	Δα ≤ 0,05 dB after test, no damage
Cable bend test method	IEC 60794-1-21:E11A
Minimum bend radius in service	80 mm
Minimum bend radius during installation	155 mm

ENVIRONMENTAL DATA

DESCRIPTION	VALUE / VALUE RANGE
Temperature cycling	-40 °C +70 °C / -40 °F +158 °F
Temperature cycling acceptance criteria	Δα ≤ 0,05 dB
Temperature cycling test method	IEC 60794-1-22:F1
Operation temperature	-40 °C to +70 °C / -40 °F to +158 °F
Storage / Transport temperature	-40 °C to +70 °C / -40 °F to +158 °F
Thermal load	1.28 MJ/m
2015 / 863 / EU - RoHS 3	conform
1907 / 2006 / EU - REACH	conform