

ACT Single Mode Fiber Optic Indoor / Outdoor cable 9/125 OS2

Item : RL41xx-B2ca

Revision : 1.0

Date : 02-07-2024

Drawn by : YMN

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A

B

C

D

A

B

C

D

Specifications Installation cable (A)	
Type	Indoor/Outdoor cable
Outer diameter	6.5mm
Tensile strength	350N
Operation temp.	-20°C to +70°C
Storage temp.	-40°C to +80°C
Outer Jacket	LSZH
Euro fire class	B2ca s1, d1, a1
Cable colour	Black
UV resistance	Yes
Cable printing	CE MM/YY ACT 8F 9/125 OS2 10280010 xxxxM DoP: 1320-2231 B2ca, s1, d1, a1 NB0598 Communications supply in-/outdoor (MM=month, YY=year)
Specifications Heat Shrink Tubing (B,C)	
Length	80mm
Specifications Fanout cable (D,E)	
Type	Tubing
Outer diameter	0.9mm
Operation temp.	-20°C to +70°C
Storage temp.	-40°C to +80°C
Colors	Blue, Orange, Green, Brown, Gray, White, Red, Black
Fanout length	500mm (+50mm-0mm) - 780mm (+50mm-0mm)
Fanout staggered increments	40mm
Specifications Connector (F,G)	
Connector	LC
Polishing Connector	UPC
Ferrule Connector	Ceramic Zirconia (ZrO2)
Ferrule Diameter	1.25mm
Housing	Blue (PC)
Boot	White (TPV)
Cap	White (PE)



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1

2

0

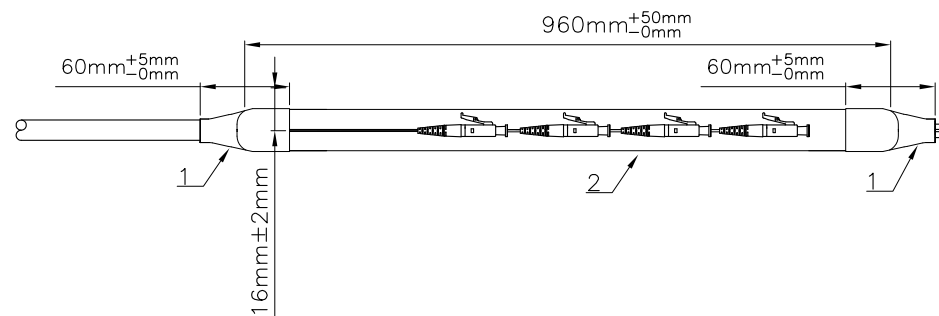
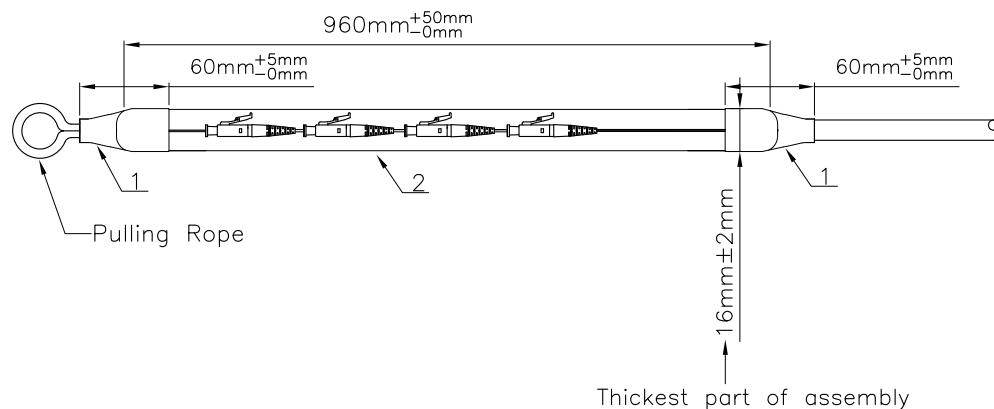
3

4

10cm

5


6




Item	Length(m)	Item	Length(m)
RL4101	10	RL4116	160
RL4102	20	RL4117	170
RL4103	30	RL4118	180
RL4104	40	RL4119	190
RL4105	50	RL4120	200
RL4106	60	RL4121	210
RL4107	70	RL4122	220
RL4108	80	RL4123	230
RL4109	90	RL4124	240
RL4110	100	RL4125	250
RL4111	110	RL4126	260
RL4112	120	RL4127	270
RL4113	130	RL4128	280
RL4114	140	RL4129	290
RL4115	150	RL4130	300

Specifications heat shrink tubing (1)	
Length	60mm
Specifications protective tube (2)	
Material	PVC
Color	Transparent
Dimensions	960mm(+50mm -0mm) x 12mm x 15mm

Length (m)	Reel Weight (KG)	Reel dimension (mm)
120	1.7	327 (H) x 345 (ø)
121-240	1.9	327 (H) x 400 (ø)
241-330	2.8	330 (H) x 450 (ø)
331-420	3.1	330 (H) x 480 (ø)
≥421	3.3	400 (H) x 480 (ø)

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Specifications fiber	
Fiber type	Single Mode
Fiber class	OS2
Diameter core / cladding	9/125
Specifications optical performance	
Insertion Loss (IL) typical	0.1 dB
Insertion Loss (IL) maximum	0.15 dB
Return Loss (RL)	≥ 55 dB
Standard compliances	
IEC 61754-20	Fibre optic connector interfaces - Type LC connector family
IEC 61300-3-47	Examinations and measurements - End face geometry of PC/APC spherically polished ferrules using interferometry
IEC 60794-2-20	Indoor cables - Family specification for multi-fibre optical cables
IEC 60794-1-2	Basic optical cable test procedures
IEC 60332-1-2	Test for vertical flame propagation for a single insulated wire or cable
IEC 60754-1	Determination of the halogen acid gas content
IEC 60754-2	Determination of acidity (by pH measurement) and conductivity
IEC 61034-2	Measurement of smoke density of cables burning under defined conditions

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