

1

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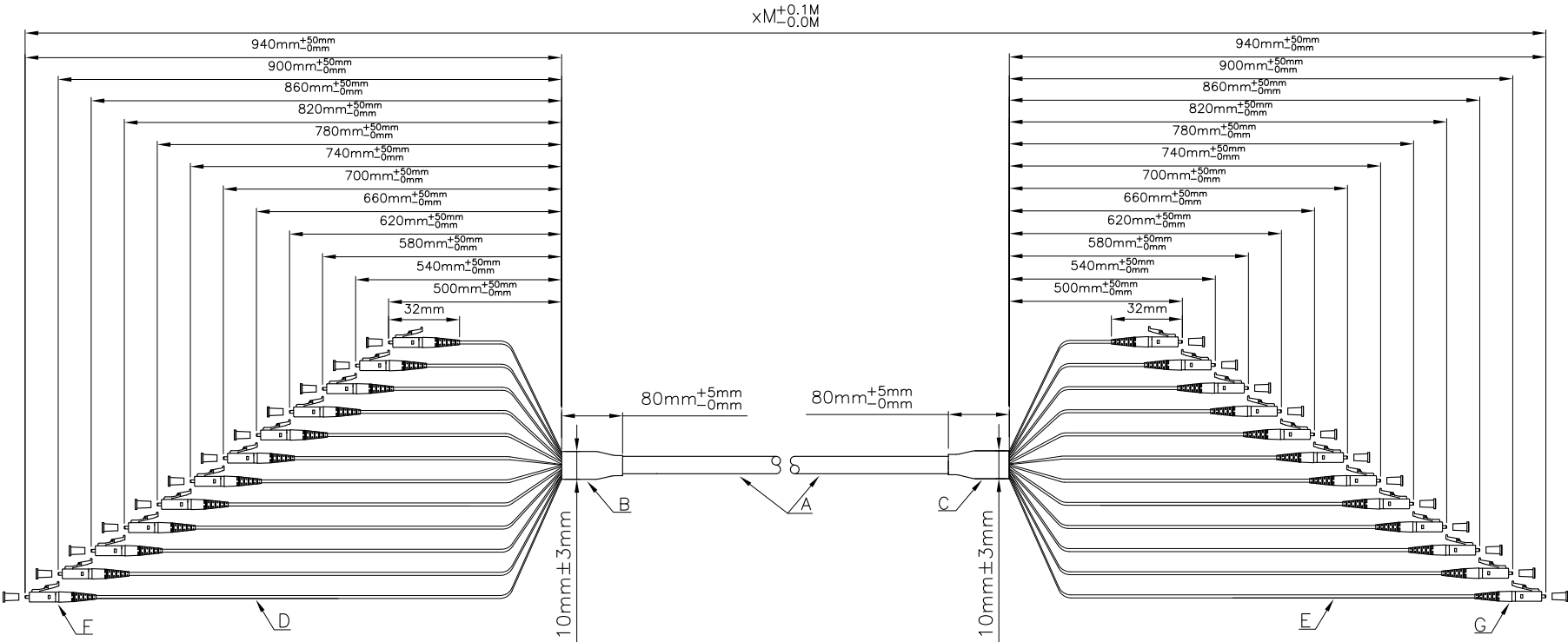
A

B

C

D

01 Blue
02 Orange
03 Green
04 Brown
05 Gray
06 White
07 Red
08 Black
09 Yellow
10 Purple
11 Pink
12 Aqua



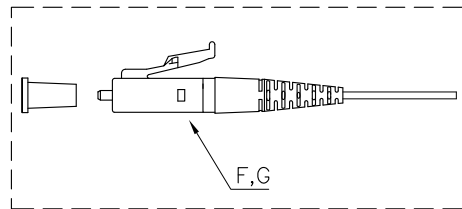
A

B

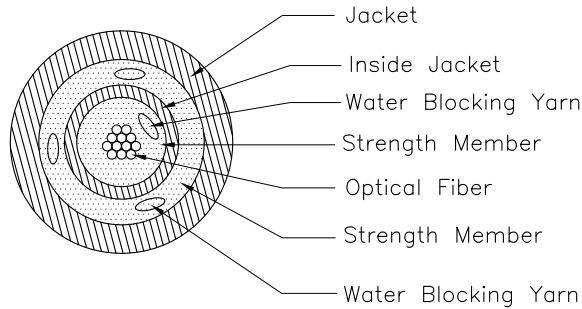
C

D

01 Blue
02 Orange
03 Green
04 Brown
05 Gray
06 White
07 Red
08 Black
09 Yellow
10 Purple
11 Pink
12 Aqua



LC Connector (SCALE 1/1)



Cable Section (SCALE 5/1)

ACT

ACT Multimode Fiber Optic Indoor / Outdoor cable 50/125 OM4

Item : RL47xx-B2ca

Revision : 1.0

Date : 04-07-2024

Drawn by : YMN

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10cm

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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 12F 50/125 OM4 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, Yellow, Purple, Pink, Aqua
Fanout length	500mm (+50mm-0mm) - 940mm (+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	Ivory (PC)
Boot	White (TPV)
Cap	White (PE)



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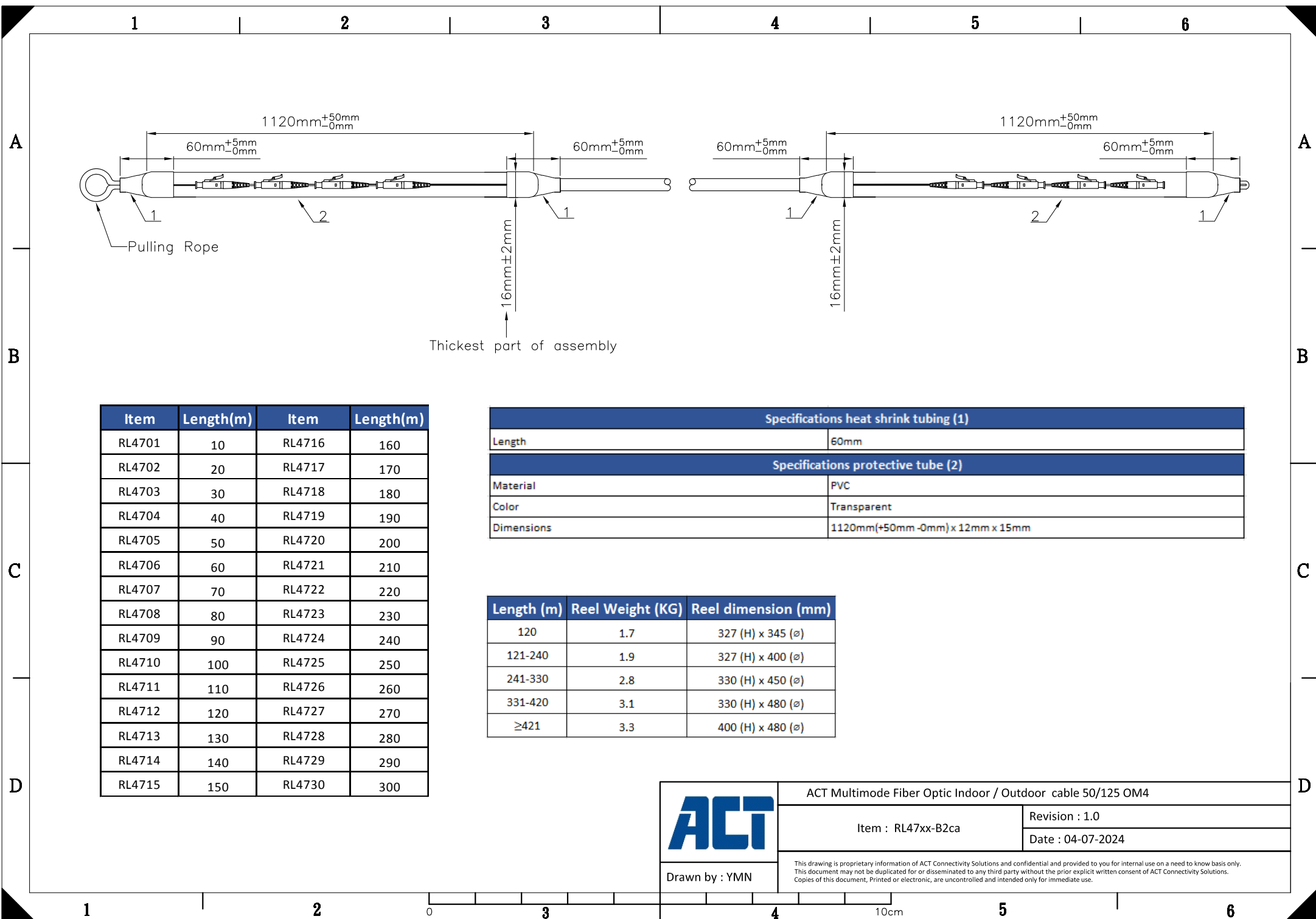
3

4

10cm

5

6



Specifications fiber	
Fiber type	Multimode
Fiber class	OM4
Diameter core / cladding	50/125
Specifications optical performance	
Insertion Loss (IL) typical	0.1 dB
Insertion Loss (IL) maximum	0.15 dB
Return Loss (RL)	≥ 35 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

	ACT Multimode Fiber Optic Indoor / Outdoor cable 50/125 OM4	
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