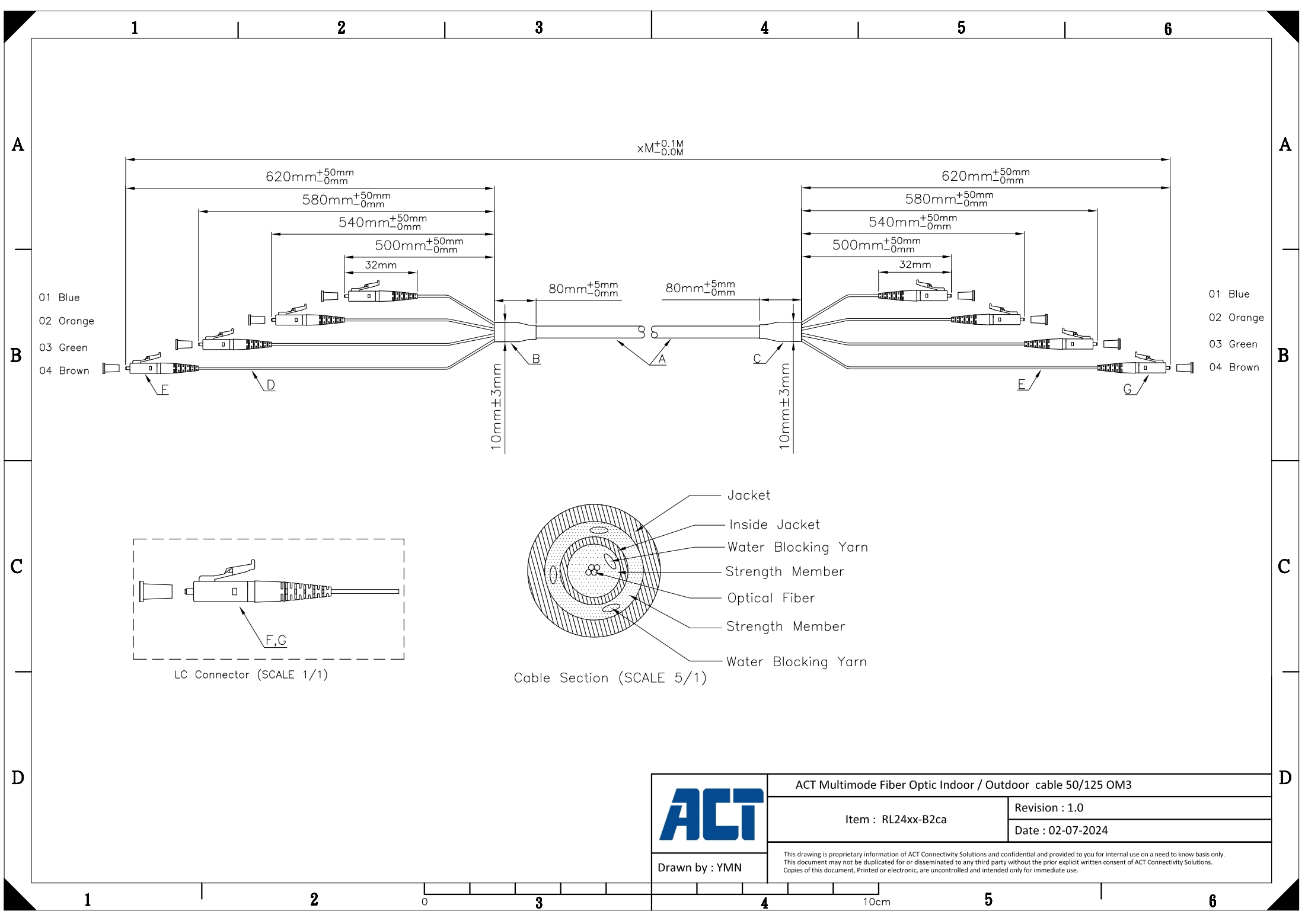




A

B

C

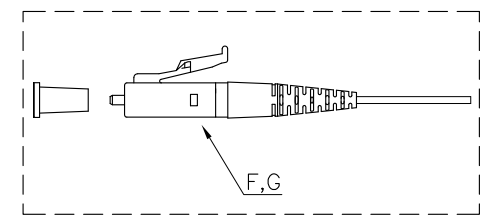
D

A

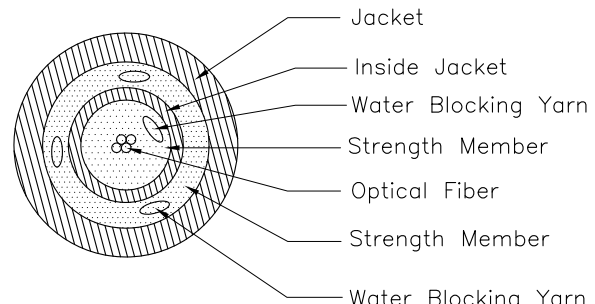
B

C

D



LC Connector (SCALE 1/1)



Cable Section (SCALE 5/1)



ACT Multimode Fiber Optic Indoor / Outdoor cable 50/125 OM3

Item : RL24xx-B2ca

Revision : 1.0

Date : 02-07-2024

Drawn by : YMN

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10cm

A

B

C

D

A

B

C

D

1

2

3

4

5

6

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 4F 50/125 OM3 10280010 xxxxxM 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
Fanout length	500mm (+50mm-0mm) - 620mm (+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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1

2

0

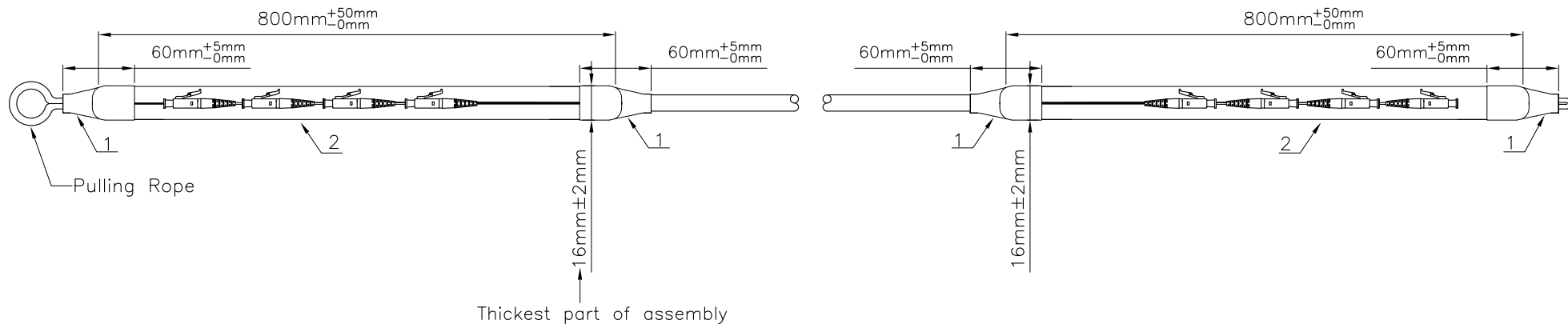
3

4

10cm

5

6



Item	Length(m)	Item	Length(m)
RL2401	10	RL2416	160
RL2402	20	RL2417	170
RL2403	30	RL2418	180
RL2404	40	RL2419	190
RL2405	50	RL2420	200
RL2406	60	RL2421	210
RL2407	70	RL2422	220
RL2408	80	RL2423	230
RL2409	90	RL2424	240
RL2410	100	RL2425	250
RL2411	110	RL2426	260
RL2412	120	RL2427	270
RL2413	130	RL2428	280
RL2414	140	RL2429	290
RL2415	150	RL2430	300

Specifications heat shrink tubing (1)	
Length	60mm
Specifications protective tube (2)	
Material	PVC
Color	Transparent
Dimensions	800mm(+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)

	ACT Multimode Fiber Optic Indoor / Outdoor cable 50/125 OM3	
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Specifications fiber	
Fiber type	Multimode
Fiber class	OM3
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

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