

1

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5

6

A

A

B

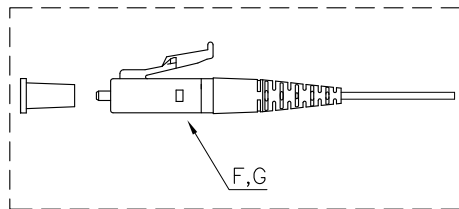
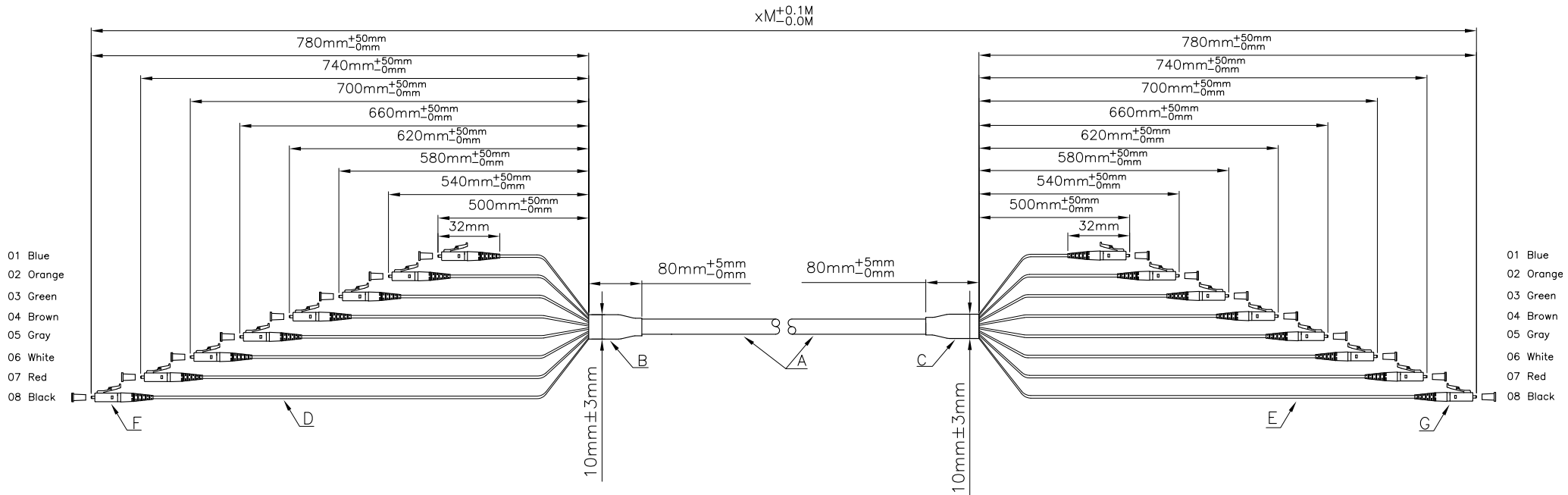
B

C

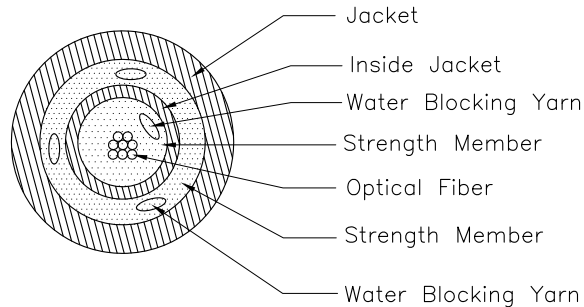
C

D

D



LC Connector (SCALE 1/1)



Cable Section (SCALE 5/1)



Drawn by : YMN

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

Item : RL43xx-B2ca

Revision : 1.0

Date : 02-07-2024

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10cm

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 8F 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
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	Ivory (PC)
Boot	White (TPV)
Cap	White (PE)

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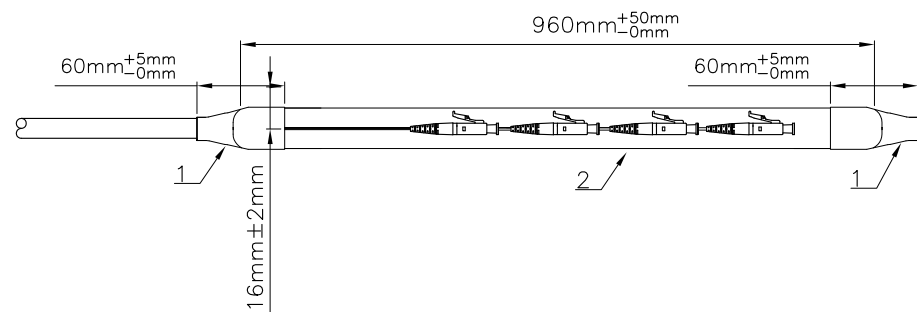
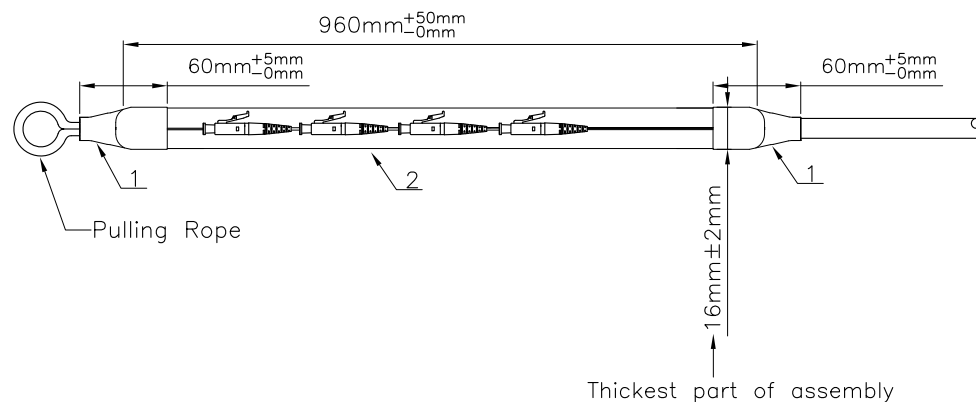
3

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A



A

B

B

Item	Length(m)	Item	Length(m)
RL4301	10	RL4316	160
RL4302	20	RL4317	170
RL4303	30	RL4318	180
RL4304	40	RL4319	190
RL4305	50	RL4320	200
RL4306	60	RL4321	210
RL4307	70	RL4322	220
RL4308	80	RL4323	230
RL4309	90	RL4324	240
RL4310	100	RL4325	250
RL4311	110	RL4326	260
RL4312	120	RL4327	270
RL4313	130	RL4328	280
RL4314	140	RL4329	290
RL4315	150	RL4330	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)

C

C

D

D

ACT

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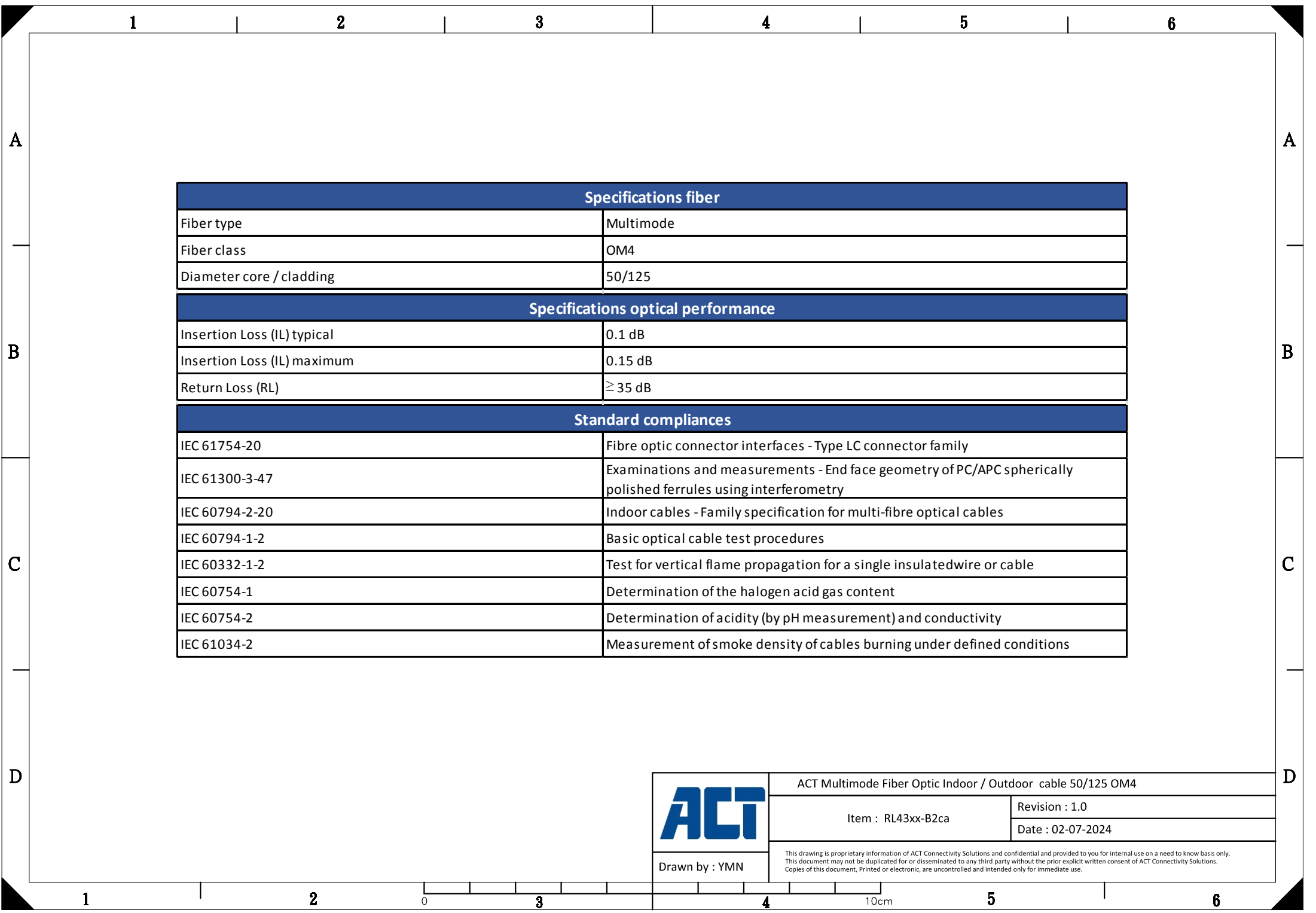
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10cm

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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

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