

## Specification:

### 1. LC UPC Connector :

Mode	Ferrule	Housing	Boot	Cap
MM Low Loss	Zirconia(Ø1.25mm)	Ivory(PC)	White(TPV)	White(PE)

### 2. Cable Type:

2-1. 4C Ø6.5mm Indoor/Outdoor Cable with 900um Tight Buffer, UV Resistance.

EN 50575: 2014+A1: 2016 CPR Dca-s2, d2, a3

2-2. Ø0.9mm Jacket for 4 Colors.

Category	Jacket O.D.	Jacket Material	Color
OM4(50/125um)	Ø6.5mm	LSZH	Black

3. Heat Shrink Tubing Length : 60mm

4. Length : x Meter

5. Protective Tube : Transparent, 12x15mm, PVC Material.

6. Heat Shrink Tubing Length : 60mm

### Performance:

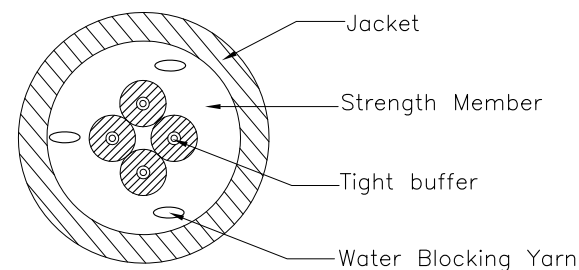
a. Insertion Loss : Typical 0.1dB, Max. < 0.15dB

b. Return Loss : >35 dB

c. Insertion Loss will be Increased after 500 mating: 0.2 dB Max

d. Operating Temperature: -20°C to +70°C

e. Storage Temperature: -40°C to +80°C



Cable Section (SCALE 5/1)

GENERAL TOLERANCE OF DIMENSIONS	DRAWING	10.NOV.2022	YMN	<b>ACT</b>		
	CHECK	10.NOV.2022	DAY			
	APPROVAL	10.NOV.2022	FRANK			
		DATE	NAME	ITEM NO.:		
X.XXX ±0.1 X.XX ±0.2 X.X ±0.3	SCALE	1/1 (A4)	UNIT	mm	DES.: Indoor&Outdoor Cable 4C OM4 4xLC to 4xLC 900um buffer	
HSF Spec.		DRAWING NO.	Indoor&Outdoor Cable 4C OM4 4xLC to 4xLC 900um buffer(S02)			
RoHS		DRAWING CLASSIFICATION	S	SHEET	2 OF 3	

## Standard compliance:

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  
EN 50575: 2014+A1: 2016 Power, control and communication cables – Cables for general applications in construction works subject to reaction to fire requirements

Cable Pulling Tensile Force Max. 350N.

Acc’y: 2 pieces M20 cable gland, fits cable o.d. 8–14mm

## Package:

Bag pack when cable length <120M  
Reel pack when cable length ≥120M, ref. below table.

4C	Reel Weight	Reel Dimension
120M	1.7KG	H327mm x $\phi$ 345mm
121–240M	2KG	H327mm x $\phi$ 400mm
241–290M	2.8KG	H330mm x $\phi$ 450mm
291M up	3KG	H330mm x $\phi$ 480mm

GENERAL TOLERANCE OF DIMENSIONS  X.XXX ±0.1 X.XX ±0.2 X.X ±0.3	DRAWING	10.NOV.2022	YMN	<b>ACT</b>		
	CHECK	10.NOV.2022	DAY			
	APPROVAL	10.NOV.2022	FRANK			
	SCALE		1/1 (A4)	UNIT	mm	ITEM NO.:
HSF Spec.			DRAWING NO.		Indoor&Outdoor Cable 4C OM4 4xLC to 4xLC 900um buffer(S02)	
RoHS			DRAWING CLASSIFICATION		S	SHEET 3 OF 3





# ACT Pre-terminated cables: Dismantle Protective Tubes Manual

ACT connectivity



WARNING: Install the cable  
before doing steps in the  
manual

# STEP 1

Cut the tip of the  
protective tube



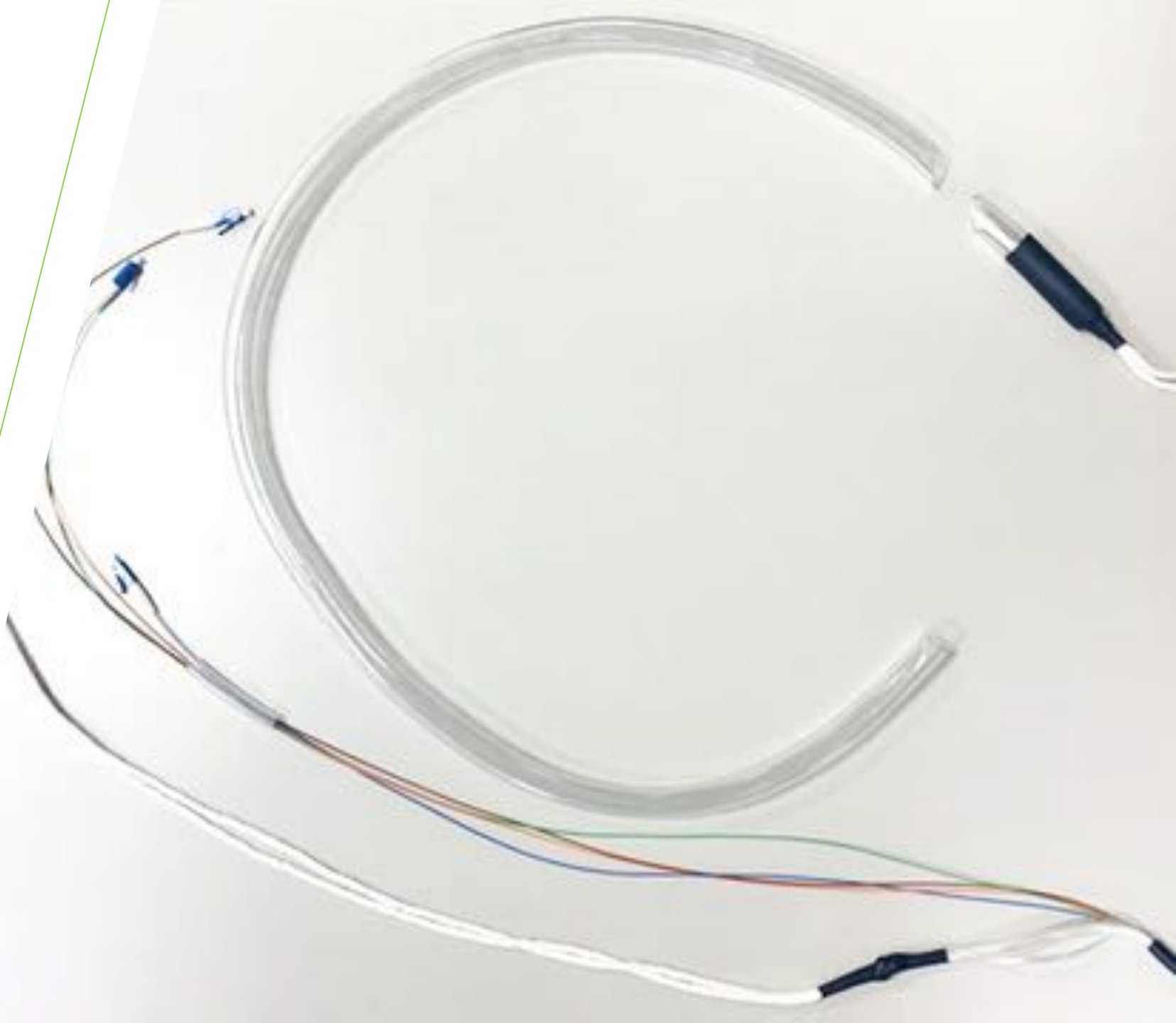
## STEP 2

Cut and remove the  
heat shrink tube



# STEP 3

Remove the tube



# FINISHED

Cut the Kevlar



Do **NOT** cut off the  
Fiber Cords

