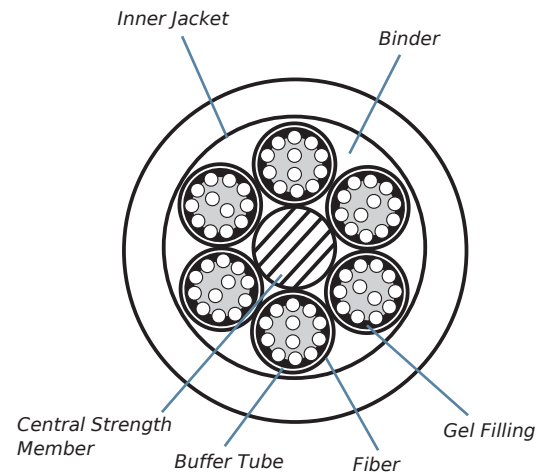


# Outdoor Loose Tube Optical Fiber Cable >

Cable containing up to 60 optical fibres in water blocked loose tubes (Maximum 12 fibres per tube) and solid polyethylene fillers, total of 5 elements laid-up around a glass reinforced plastic (GRP) central strength member, water blocked interstices, taped with polyethylene overall sheath.



## SPECIFICATIONS

### Commercial Standards

ISO/IEC 11801  
ANSI/TIA-568.3-D

### Construction Details

Number of Elements: 5  
Fibre/Tube Identification: Colour Coded  
Central Strength Member: Glass Reinforced Plastic (GRP)  
Fibre Protection (Tubes): Polybutylene, Terephthalate (PBT)  
Fillers: As Required  
Water Blocking: Thixotropic Gel (Tubes), Petroleum Jelly (Interstices)  
Core Wrapping: Polyethylene Terephthalate Tape  
Sheath: Polyethylene (UV Stabilised)

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## SPECIFICATIONS

Fiber Type	Unit	OS1a/2	OM1	OM2	OM3	OM4	OM5
<b>Mechanical</b>							
Max. Bending Radius (during installation):	Overall diameter	20D					
Max. Bending Radius (during full load):	Overall diameter	10D					
Max. Tensile Strength-Short Term	N	2000					
Max. Crush Resistance-Short Term	N/10cm	2000					
Operating Temperature range	°C	-10°C - +70°					
<b>Physical Characteristics</b>							
Core Diameter	µm	9.2±0.4	62.5±3.0	50±3.0	50±2.5	50±2.5	50±2.5
Cladding Diameter	µm	125±0.7	125±2.0	125±2.0	125±2.0	125±1.0	125±1.0
Primary Coating Diameter (uncolored)	µm	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10
<b>Mass</b>							
Overall Cable (Nominal)	mm	10.1					
Mass (Nominal)	kg/km	83-86					
Cable Length	km						
<b>Optical Performance</b>							
Max Attenuation	850 nm [dB/km]	-	3.5	3.2	3.0	3.0	3.0
	953 nm [dB/km]	-	-	-	-	-	2.3
	1300/1310nm [dB/km]	0.36	1.0	1.5	1.5	1.5	1.5
	1550nm [dB/km]	0.22	-	-			
Min Bandwidth	850 nm [MHz/km]	-	200	550	2000	4700	4700
	953 nm [MHz/km]	-	-	-	-	-	2470
	1300 nm [MHz/km]	-	300	500	500	500	500
Numerical Aperture		0.14	-	-	-	-	-

## ORDERING INFORMATION

Order No.	SAP No.	Description
AFOLJ004OS2	Consult Molex	4 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ006OS2	Consult Molex	6 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ008OS2	Consult Molex	8 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ012OS2	Consult Molex	12 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ024OS2	Consult Molex	24 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ036OS2	Consult Molex	36 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ048OS2	Consult Molex	48 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable
AFOLJ060OS2	Consult Molex	60 Core, Outdoor Loose Tube PE Sheath, 9/125µm, OS1a/OS2 Type Fiber Cable

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# Outdoor Loose Tube Optical Fiber Cable >

## ORDERING INFORMATION

Order No.	SAP No.	Description
AFOLJ004OM1	Consult Molex	4 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ006OM1	Consult Molex	6 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ008OM1	Consult Molex	8 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ012OM1	Consult Molex	12 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ024OM1	Consult Molex	24 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ036OM1	Consult Molex	36 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ048OM1	Consult Molex	48 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ060OM1	Consult Molex	60 Core, Outdoor Loose Tube PE Sheath, 62.5/125µm, OM1 Type Fiber Cable
AFOLJ004OM2	Consult Molex	4 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ006OM2	Consult Molex	6 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ008OM2	Consult Molex	8 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ012OM2	Consult Molex	12 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ024OM2	Consult Molex	24 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ036OM2	Consult Molex	36 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ048OM2	Consult Molex	48 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ060OM2	Consult Molex	60 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM2 Type Fiber Cable
AFOLJ004OM3	Consult Molex	4 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ006OM3	Consult Molex	6 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ008OM3	Consult Molex	8 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ012OM3	Consult Molex	12 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ024OM3	Consult Molex	24 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ036OM3	Consult Molex	36 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ048OM3	Consult Molex	48 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ060OM3	Consult Molex	60 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM3 Type Fiber Cable
AFOLJ004OM4	Consult Molex	4 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM4 Type Fiber Cable
AFOLJ006OM4	Consult Molex	6 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM4 Type Fiber Cable
AFOLJ008OM4	Consult Molex	8 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM4 Type Fiber Cable
AFOLJ012OM4	Consult Molex	12 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM4 Type Fiber Cable
AFOLJ024OM4	Consult Molex	24 Core, Outdoor Loose Tube PE Sheath, 50/125µm, OM4 Type Fiber Cable

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