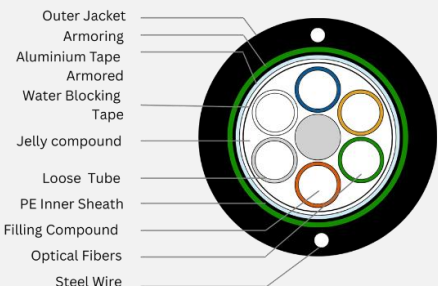


SCHNELL MULTIMODE OUTDOOR ARMoured FIBER OPTIC CABLES

Schnell Multimode Outdoor Armoured Fiber Optic Cables are designed for high-performance outdoor networks. Featuring a jelly-filled central loose tube, water-blocking tape, corrugated steel tape armouring, and dual steel strength members, they offer superior moisture resistance, mechanical strength, and rodent protection—ideal for long-distance duct, conduit, or aerial installations.



DIAGRAM & CONSTRUCTION

Fiber Types	: OM1(62.5/125 μm), OM2, OM3, OM4 (50/125 μm),		Water Protection	: Water-blocking tape and jelly
Tube Design	: Central loose tube, filled with water-blocking jelly		Armouring Strength Members Outer Jacket Material	: Corrugated steel tape : Dual steel wires : UV-resistant HDPE or LSZH : Black (standard) : SCHNELL + Fiber Type + Core Count + Outdoor Armoured
Jacket Color Cable Marking				: SCHNELL + Fiber Type + Core Count + Outdoor Armoured

OPTICAL CHARACTERISTICS

OM1 (62.5/125 μm)	
Attenuation	: ≤ 3.5 dB/km @ 850 nm ≤ 1.5 dB/km @ 1300 nm
Bandwidth	: ≥ 200 MHz·km @ 850 nm
10G Distance	: Up to 275 m
OM2 / OM3 / OM4 (50/125 μm)	
Attenuation	: OM2: ≤ 3.5 / 1.5 dB/km OM3 & OM4: ≤ 3.0 / 1.0 dB/km
Bandwidth	: OM2: ≥ 500 MHz·km OM3: ≥ 1500 MHz·km OM4: ≥ 3500 MHz·km @ 850 nm
10G Distance	: OM2: 550 m OM3/OM4: 1000 m

PHYSICAL CHARACTERISTICS

Operating Temperature	: -20°C to +60°C
Storage Temperature	: -40°C to +60°C
Installation Environment	: Outdoor, aerial, duct, conduit
UV Resistance	: Yes (HDPE jacket)
Crush Resistance	: High, due to corrugated steel armour
Rodent Protection	: Yes (metallic armouring)
Delivery Length	: Available in large drum lengths

KEY FEATURES

- Jelly-filled loose tube and water-blocking tape for moisture protection
- Corrugated steel armouring for rodent and crush resistance
- Available in OM1, OM2, OM3, and OM4 multimode variants
- Ideal for outdoor duct, conduit, or aerial installations

KEY APPLICATIONS

- Campus fiber backbone links
- Long-distance multimode outdoor runs
- Fiber-to-building (FTTB), FTTH, and service drops
- Outdoor telecom and industrial network extensions

REACTION TO FIRE		STANDARDS
IEC 60332-1	: Flame propagation (LSZH version)	<ul style="list-style-type: none"> • ISO/IEC 11801, EN 50173-1 • IEC 60793-2-10 (OMx A1a.1 / A1a.2) • TIA/EIA 568C.3, IEEE 802.3z • RoHS Directive 2002/95/EC compliant • OM1(62.5/125 μm) • OM2, OM3, OM4 (50/125 μm)
IEC 60754-1 / 60754-2	: Halogen-free and non-corrosive gas emission	
IEC 61034-2	: Low smoke density	
UV-Resistance	: HDPE jacket suitable for sunlight exposure	

ORDERING INFORMATION

Part Number	Fiber Count	Outer Diameter	Loose Tube Diameter	Cable Weight	Bend Radius	
		(mm)	(mm)		(kg/km)	Short (mm)
SCZ-70104CXXXOT	4	8.3	2.1	90	20D	10D
SCZ-70106CXXXOT	6	8.3	2.1	90	20D	10D
SCZ-70108CXXXOT	8	8.3	2.1	90	20D	10D
SCZ-701012CXXXOT	12	8.3	2.1	100	20D	10D
SCZ-701024CXXXOT	24	9	2.5	100	20D	10D

PART NUMBER

PART NUMBER	DESCRIPTION
SCZ-70104COM2OT	4 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70106COM20OT	6 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70108COM20OT	8 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701012COM20OT	12 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701024COM20OT	24 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701048COM20OT	48 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701096COM20OT	96 CORE OM2 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70104COM30OT	4 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70106COM30OT	6 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70108COM30OT	8 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701012COM3LTOT	12 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701024COM30OT	24 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701048COM30OT	48 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701096COM30OT	96 CORE OM3 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70104COM40OT	4 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70106COM40OT	6 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-70108COM40OT	8 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701012COM4LTOT	12 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701024COM40OT	24 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701048COM40OT	48 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE
SCZ-701096COM40OT	96 CORE OM4 OUTDOOR ARMOURED FIBRE OPTIC CABLE

