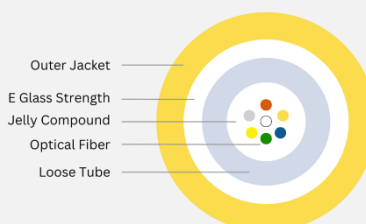


## SCHNELL INDOOR/OUTDOOR FIBER OPTIC CABLE

SCHNELL Indoor/Outdoor Fiber Optic Cable is a robust and flexible solution for high-speed data transmission in diverse environments. Designed with a central loose tube and e-glass yarn for tensile strength, it supports both single mode (OS1/OS2) and multimode (OM1, OM2, OM3, OM4) fibers. Its UV-resistant and flame-retardant LSZH jacket ensures safe performance for backbone and riser applications.



### DIAGRAM & CONSTRUCTION

Fiber Type	: OS1, OS2 (Single mode) OM1, OM2, OM3, OM4 (Multimode)		Tube Material	: PBT Central Loose Tube
Fiber Count	: 2 to 24 fibers		Strength Member	: E-Glass Yarn
			Outer Jacket Material	: LSZH, UV Resistant
			Outer Jacket Color	: Yellow (SM), Orange/Aqua (MM), or as required
			Rip Cord	: Included

### OPTICAL CHARACTERISTICS

<b>Attenuation (dB/km)</b>	
OS1 / OS2	: ≤ 0.36 @1310nm, ≤ 0.22 @1550nm
OM1	: ≤ 3.5 @850nm, ≤ 1.5 @1300nm
OM2	: ≤ 3.5 / ≤ 1.5
OM3/OM4	: ≤ 3.0 / ≤ 1.0
<b>Bandwidth (MHz·km)</b>	
OM1	: 200 / 500
OM2	: 500 / 500
OM3	: 1500 / 500
OM4	: 3500 / 500

### PHYSICAL CHARACTERISTICS

Cable Type	: Central Loose Tube, Indoor/Outdoor
Outer Diameter	: 5.0 mm – 7.2 mm (depends on fiber count)
Min. Bending Radius (Static)	: 10 × OD
Min. Bending Radius (Dynamic)	: 20 × OD
Tensile Strength (Install)	: ≥ 1500 N
Crush Resistance	: ≥ 1000 N/10 cm
Operating Temperature	: -20°C to +70°C
Storage Temperature	: -40°C to +70°C

### KEY FEATURES

- Supports OS1/OS2, OM1, OM2, OM3, OM4 fiber types
- UV-resistant, flame-retardant LSZH outer jacket
- E-glass yarn strength member for durability
- Suitable for backbone, riser, and limited external runs

### KEY APPLICATIONS

- Indoor/Outdoor backbone networks
- Data centers & enterprise LAN systems
- FTTH and FTTx deployments
- Campus cabling and telecom infrastructures

### REACTION TO FIRE

Flame Retardant Jacket	: LSZH (Low Smoke Zero Halogen)
IEC 60332-1-2	: Compliant
IEC 60754-1/2	: Halogen-free
IEC 61034-2	: Low Smoke

### STANDARDS

- ISO/IEC 11801
- TIA/EIA-568
- ITU-T G.652.D, G.657.A1 (SM)
- IEC 60793, IEC 60794
- RoHS & REACH Compliant

**ORDERING INFORMATION**

Part Number	Fiber Count	Outer Diameter	Loose Tube Diameter	Cable Weight	Bend Radius	
		(mm)	(mm)		(kg/km)	Short
					(mm)	(mm)
SCZ-7010XXXINOT	2	6	2.8	40	20D	10D
SCZ-7010XXXINOT	4	6	2.8	40	20D	10D
SCZ-7010XXXINOT	6	6	2.8	40	20D	10D
SCZ-7010XXXINOT	8	6	2.8	42	20D	10D
SCZ-7010XXXINOT	12	6	2.8	44	20D	10D
SCZ-7010XXXINOT	16	7	3.5	60	20D	10D
SCZ-7010XXXINOT	24	8	3.5	65	20D	10D

**PART NUMBER**

Part Number	Description
SCZ-70102COS1INOT	SCHNELL 2 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70104COS1INOT	SCHNELL 4 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70106COS1INOT	SCHNELL 6 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70108COS1INOT	SCHNELL 8 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-701012COS1INOT	SCHNELL 12 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-701016COS1INOT	SCHNELL 16 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-701024COS1INOT	SCHNELL 24 CORE OS1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70102COS2INOT	SCHNELL 2 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70104COS2INOT	SCHNELL 4 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70106COS2INOT	SCHNELL 6 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70108COS2INOT	SCHNELL 8 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-701012COS2INOT	SCHNELL 12 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-701016COS2INOT	SCHNELL 16 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-701024COS2INOT	SCHNELL 24 CORE OS2 INDOOR/OUTDOOR FIBER OPTIC CABLE

SCZ-70102COM1INOT	SCHNELL 2 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70104COM1INOT	SCHNELL 4 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70106COM1INOT	SCHNELL 6 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70108COM1INOT	SCHNELL 8 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70112COM1INOT	SCHNELL 12 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70116COM1INOT	SCHNELL 16 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70124COM1INOT	SCHNELL 24 CORE OM1 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70102COM2INOT	SCHNELL 2 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70104COM2INOT	SCHNELL 4 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70106COM2INOT	SCHNELL 6 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70108COM2INOT	SCHNELL 8 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70112COM2INOT	SCHNELL 12 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE

SCZ-70116COM2INOT	SCHNELL 16 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70124COM2INOT	SCHNELL 24 CORE OM2 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70102COM3INOT	SCHNELL 2 CORE OM3 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70104COM3INOT	SCHNELL 4 CORE OM3 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70106COM3INOT	SCHNELL 6 CORE OM3 INDOOR/OUTDOOR FIBER OPTIC CABLE
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SCZ-70116COM3INOT	SCHNELL 16 CORE OM3 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70124COM3INOT	SCHNELL 24 CORE OM3 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70102COM4INOT	SCHNELL 2 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70104COM4INOT	SCHNELL 4 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70106COM4INOT	SCHNELL 6 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70108COM4INOT	SCHNELL 8 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70112COM4INOT	SCHNELL 12 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70116COM4INOT	SCHNELL 16 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE
SCZ-70124COM4INOT	SCHNELL 24 CORE OM4 INDOOR/OUTDOOR FIBER OPTIC CABLE