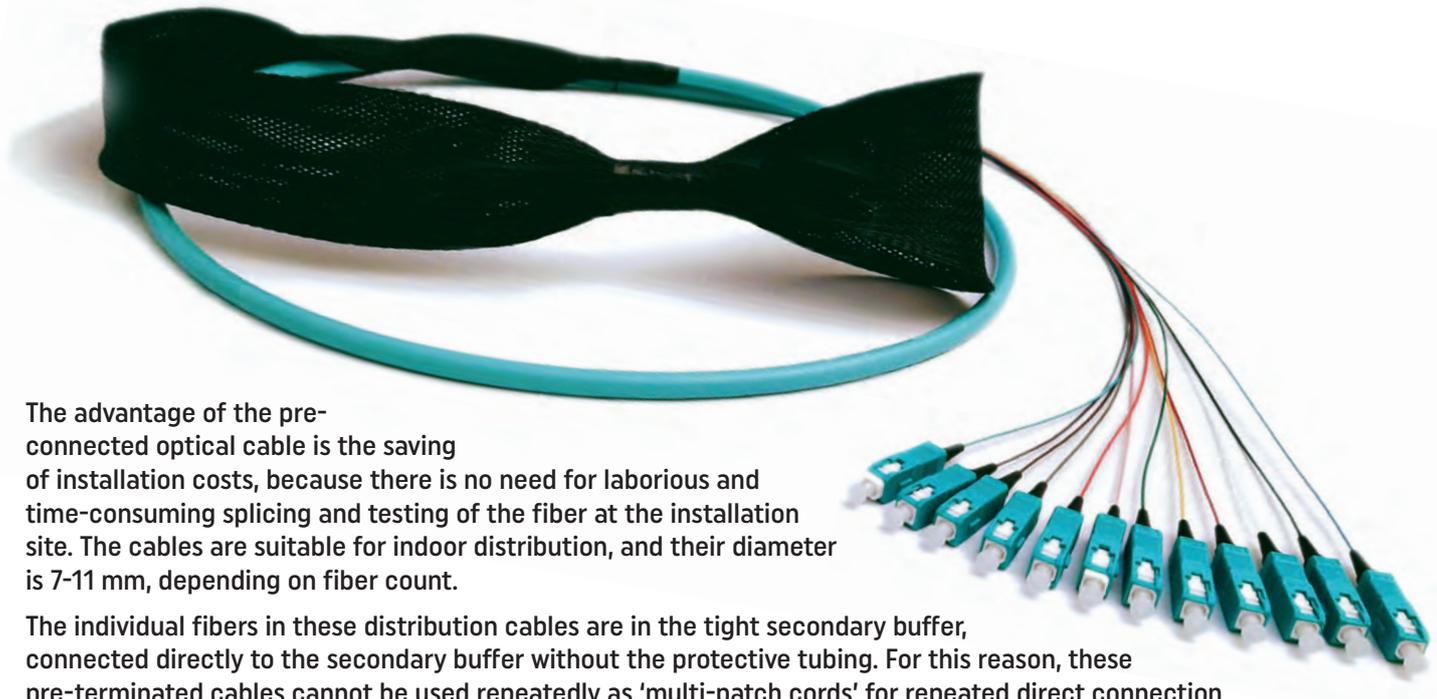# DST1 Pre-Terminated Indoor Distribution Cable

The advantage of the pre-connected optical cable is the saving of installation costs, because there is no need for laborious and time-consuming splicing and testing of the fiber at the installation site. The cables are suitable for indoor distribution, and their diameter is 7-11 mm, depending on fiber count.

The individual fibers in these distribution cables are in the tight secondary buffer, connected directly to the secondary buffer without the protective tubing. For this reason, these pre-terminated cables cannot be used repeatedly as 'multi-patch cords' for repeated direct connection to active elements – they are specifically designed for connections between optical distribution frames in data centers.

Applications

- Horizontal and vertical distribution
- Interconnections between panels and cabinets within buildings
- Data centers, SAN distribution
- Laying in cable trays and ducts

Features

- Available in MM OM1, OM2, OM3, OM4, OM5, and SM OS2 G.657.A1 fiber types
- Available with SC, LC, FC, ST, and E2000 connectors
- LSZH, OFNR for indoor use
- 4–24 tight buffer fiber design
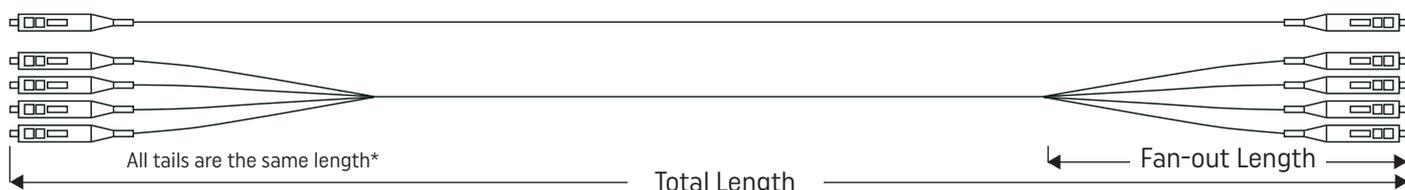- 0.9 mm patching cable diameter
- Easy and quick installation

Specifications

LC, SC, FC, ST, E2000	SM APC	SM PC	MM PC
Insertion loss (IL) typical	0.15 dB	0.20 dB	0.25 dB
Insertion loss (IL) max	0.30 dB	0.30 dB	0.35 dB
Return loss (RL)	> 65 dB	> 55 dB	> 30 dB
Mating cycles	minimum 500 cycles		
Assembly	glue and polish		
Temperature cycling	-25 to +70 C, 12 cycles		
Ferrule material	ceramic zirconia		
Connector material	PBT/UL 94-V0		

Cable Protection & Pulling

Cable fan-out ends and connectors are protected with a plastic braid. This plastic braid can be terminated by a simple eye, which facilitates manipulation of the cable. For longer and heavier routes, the cable can be equipped with a steel cable with a pulling eye. In order to facilitate attachment to a switchboard, a cable gland can be placed at the end of the cable.

Measurements

All tails are the same length*   Total Length   Fan-out Length

ORDERING CODES

DST1: Pre-Terminated Indoor Distribution Cable

DS	T1	✓	–	✓	/	✓	–	???	–	??	–	??	/	??	
															Fiber type
		S2													OS2 SM 09/125 µm
		M1													OM1 MM 62,5/125 µm
		M2													OM2 MM 50/125 µm
		M3													OM3 MM 50/125 µm
		M4													OM4 MM 50/125 µm
		M5													OM5 MM 50/125 µm
															Connector A / Connector B
				E2A		E2A									E2000/APC
				ST		ST									ST/PC
				FC		FC									FC/PC
				FCA		FCA									FC/APC
				LC		LC									LC/PC
				LCA		LCA									LC/APC
				SC		SC									SC/PC
				SCA		SCA									SC/APC
								60.0							**Cable length (m)**
										12					**Fibers (4-24)**
												0.5		0.5	**Length of Fan-out Tails A / B (m)**
Example:															
DS	T1	M2	-	LC	/	LCA		60.0	-	12	-	0.5	-	0.5	INTELDAT pre-terminated cable, 50/125 OM2 fibers, LC/PC to LC/APC connectors, 60 m length, 12 fibers, 0.5 m tail lengths
*Special configurations can be provided assembled in accordance with your requirements															