

Loose Tube 12 through 432 fibers

Product Highlights

- RoHS compliant
- Approved for use in RUS applications
- Rugged corrugated steel armor provides extra crush-resistance and rodent protection
- UV resistant jacket
- Loose tube construction
- Gel filled loose tube provides protection against water penetration
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Suitable for lashed aerial, duct, underground conduit and indoor riser applications

Options

- Other configurations and fiber counts available
- Interlock steel armor available
- Dual jacket constructions available
- Low smoke zero halogen available



48-fibers (12 tubes of 4-fibers)



48-fibers (8 tubes of 6-fibers)



48-fibers (4 tubes of 12-fibers)

Diagram scale approx. 1:1

8.3/125 μm Singlemode OSP Armored

HITACHI PART NO.	# OF FIBERS PER TUBE	FIBER COUNT	TUBE LAYOUT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
				in.	mm	lbs-f	N	lbs-f	N	lbs/1000	kg/1000m
8.3/125 μm Singlemode (8.3/125/250)											
60954-24	2	24	12xCSM	.748	19.0	600	2700	600	2700	228.0	339.7
60356-48	4	48	12xCSM	.748	19.0	600	2700	600	2700	229.0	341.2
60101-48	6	48	8xCSM	.613	15.6	600	2700	600	2700	147.0	219.0
60102-12	12	12	5xCSM	.508	13.1	600	2700	600	2700	97.0	144.5
60102-24	12	24	5xCSM	.508	13.1	600	2700	600	2700	101.0	150.5
60102-48	12	48	5xCSM	.508	13.1	600	2700	600	2700	110.0	163.9
60102-144	12	144	12xCSM	.768	19.5	600	2700	600	2700	241.0	359.1

CSM = Central Strength Member

Optical Specifications

TIA/EIA-568-B.3 | ISO/IEC 11801, 2nd edition | Bellcore GR-20-CORE

8.3/125 μm SINGLEMODE	
MAXIMUM ATTENUATION	≤ 0.40 dB/km at 1310 nm ≤ 0.30 dB/km at 1550 nm
RECOMMENDED APPLICATION	Optimized for performance in the 1310 nm wavelength window. These cables support today's high capacity, low-cost transmission applications and can also be used to support TDM and WDM applications operating in the 1550 nm wavelength region.

HCM reserves the right to revise any specifications.

Singlemode Armored Loose Tube

8.3/125 μm StratusClear™ Singlemode OSP Armored

HITACHI PART NO.	# OF FIBERS PER TUBE	FIBER COUNT	TUBE LAYOUT	CABLE O.D.		MAXIMUM LOAD INSTALL		OPERATION		CABLE WEIGHT	
				in.	mm	lbs·f	N	lbs·f	N	lbs/1000	kg/1000m
8.3/125 μm StratusClear™ Singlemode (8.3/125/250)											
60966-24	2	24	12xCSM	.748	19.0	600	2700	600	2700	228.0	339.7
60967-48	4	48	12xCSM	.748	19.0	600	2700	600	2700	229.0	341.2
60968-48	6	48	8xCSM	.613	15.6	600	2700	600	2700	147.0	219.0
60971-12	12	12	5xCSM	.508	13.1	600	2700	600	2700	97.0	144.5
60971-24	12	24	5xCSM	.508	13.1	600	2700	600	2700	101.0	150.5
60971-48	12	48	5xCSM	.508	13.1	600	2700	600	2700	110.0	163.9
60971-144	12	144	12xCSM	.768	19.5	600	2700	600	2700	241.0	359.1

CSM = Central Strength Member

Mechanical Specifications

Bend radius

- No load = 20x cable overall diameter
- Load = 40x cable overall diameter

Loose Tube Diameter

	in.	mm
2-fibers per tube	.110	2.8
4-fibers per tube	.110	2.8
6-fibers per tube	.110	2.8
12-fibers per tube	.110	2.8

Optical Specifications

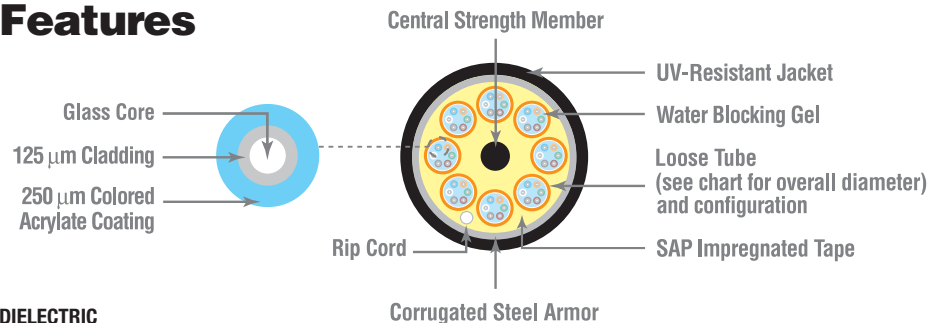
TIA/EIA-568-B.3 | ISO/IEC 11801, 2nd edition | Bellcore GR-20-CORE

	8.3/125 μm STRATUSCLEAR SINGLEMODE
MAXIMUM ATTENUATION	≤ 0.35 dB/km at 1310 nm ≤ 0.25 dB/km at 1550 nm

RECOMMENDED APPLICATION: These cables exhibit superior low water peak performance and are optimized for use across a broad wavelength range, including the Extended Band (1360 nm – 1460 nm). StratusClear Singlemode cables support emerging applications utilizing CWDM and SOA technologies.



Features



DIELECTRIC MATERIALS

Overall Jacket

RISER

Medium density polyolefin



Outdoor Armored