

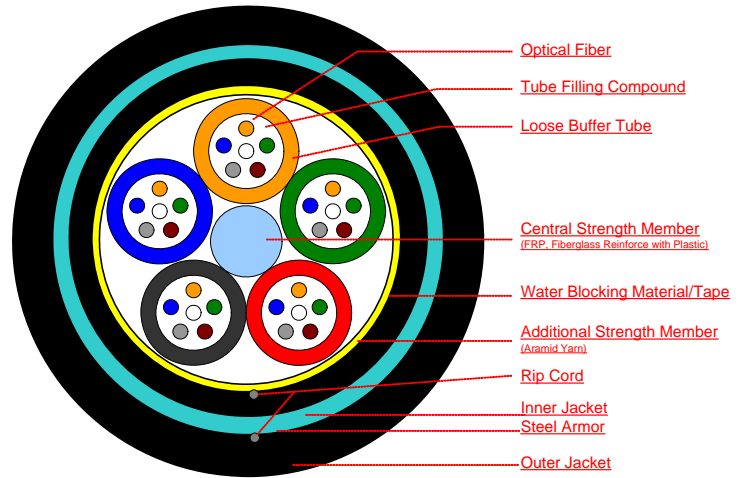
Fiber Optic Cable



Stranded Loose Tube Armor Cable 2-216 Cores, 9/125 μm

Descriptions

This Armor Cable is the loose tube stranded Fibers, 250 μm , are positioned into a loose tube made of high modulus plastics. The tubes filled with a water-resistant filling compound. The tubes (and fillers) are stranded around the Central Strength Member into a compact and circular core filled by filler and wrapped by the water blocking tape for water penetration protection. The aramid yarns are applied over the stranded core as the additional strength member. A layer of Polyethylene, the inner jacket, is extruded about the cable core prior to the application of the steel tape. An overlapped armor layer corrugated electrolytic chrome coated steel (ECCS) envelopes the inner sheath of the cable. The steel armor is coated to inhibit corrosion and to bond to the outer jacket. The outer jacket is PE which the UV-resistant property to increase the life-time of the cable



Applications & Features

- Design for demanding duct, aerial and direct-buried installations
- Provides outstanding mechanical protection and rodent resistance

Optical Fiber Properties

Fiber Type	Single Mode, 9/125 μm	
Attenuation	< 0.35 dB/km @ 1310 nm	< 0.35 dB/km @ 1383 nm
	< 0.22 dB/km @ 1550 nm	< 0.30 dB/km @ 1625 nm
Cable Cut-off Wavelength	\leq 1260 nm	

Mechanical Properties

Cable Type	Fiber Count	Tube	Filler	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short Term (N)	Crush Resistance Long/Short (N/100mm)	Bending Radius Static/Dynamic (mm)
AR 2-6	2-6	1	4	12.5 \pm 0.5	145 \pm 5	1000/3000	1000/3000	10D/20D
AR 8-12	8-12	2	3	12.5 \pm 0.5	145 \pm 5	1000/3000	1000/3000	10D/20D
AR 14-18	14-18	3	2	12.5 \pm 0.5	145 \pm 5	1000/3000	1000/3000	10D/20D
AR 20-24	20-24	4	1	12.5 \pm 0.5	145 \pm 5	1000/3000	1000/3000	10D/20D
AR 26-30	26-30	5	0	12.5 \pm 0.5	145 \pm 5	1000/3000	1000/3000	10D/20D
AR 32-36	32-36	3	3	12.8 \pm 0.5	155 \pm 5	1000/3000	1000/3000	10D/20D
AR 38-48	38-48	4	2	12.8 \pm 0.5	155 \pm 5	1000/3000	1000/3000	10D/20D
AR 50-60	50-60	5	1	12.8 \pm 0.5	155 \pm 5	1000/3000	1000/3000	10D/20D
AR 62-72	62-72	6	0	12.8 \pm 0.5	155 \pm 5	1000/3000	1000/3000	10D/20D
AR 74-84	74-84	7	0	13.6 \pm 0.5	170 \pm 5	1000/3000	1000/3000	10D/20D
AR 86-96	86-86	8	0	14.3 \pm 0.5	190 \pm 5	1000/3000	1000/3000	10D/20D
AR 98-108	98-108	9	0	14.8 \pm 0.5	200 \pm 5	1000/3000	1000/3000	10D/20D
AR 110-120	110-120	10	0	15.4 \pm 0.5	220 \pm 5	1000/3000	1000/3000	10D/20D
AR 122-132	122-132	11	0	16.1 \pm 0.5	240 \pm 5	1000/3000	1000/3000	10D/20D
AR 132-144	132-144	12	0	16.7 \pm 0.5	260 \pm 10	1000/3000	1000/3000	10D/20D
AR 146-216	146-216	18	0	16.7 \pm 0.5	260 \pm 10	1000/3000	1000/3000	10D/20D

Product Code

9/125 μm , SM (Single Mode), Stranded Loose Tube Armor Cable			
SM9125AR006	ARMOR, 4C, SM, 9/125	SM9125AR096	ARMOR, 96C, SM, 9/125

Note : Others cores are also available. The product code is based on the same designation.

Cable Marking

PAN-ASIA STRANDED LOOSE TUBE ARMOR HIGH QUALITY OPTICAL CABLE SM9125AR x^{*1} S, FOR GENERAL TELECOMMUNICATION, $year^{*2}$ 0001M

Note : x^{*1} = No. of Core ; $year^{*2}$ = Year of Manufacture

Packing

Each single length of cable shall be reeled on **Iron-wooden drum** suitable for long distance shipment. Covered by plastic buffer sheet. Sealed by strong wooden battens