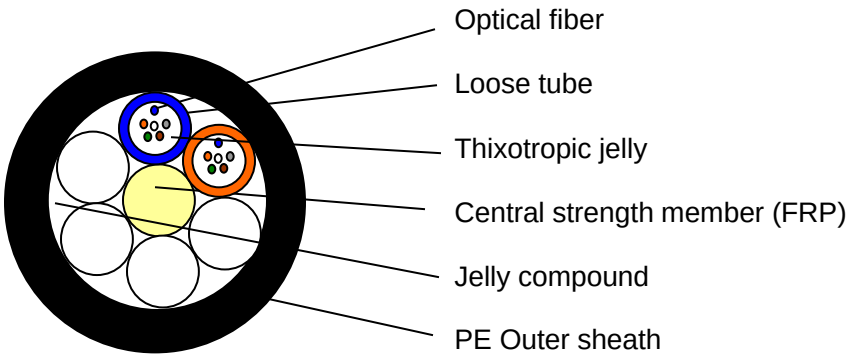
NEWLINK
Cabling Systems

NEW-94650XX

Loose Tube
Indoor/Outdoor



Optical fiber characteristics

Category	Description		Specifications
			OM3
Optical Specifications	Attenuation	@850nm	≤3.5dB/km
		@1300nm	≤1.5dB/km
	Min. Bandwidth@850nm		625MHz • km
	Numerical aperture		0.185~0.215
Geometric Specifications	Core diameter		50±2.5μm
	Cladding Diameter		125±2μm
	Cladding Non-Circularity		≤2.0%
	Coating Diameter		245±10μm
	Coating/Cladding Concentricity Error		≤12.0μm
	Core Non-Circularity		≤6.0%
	Core/Cladding Concentricity Error		≤1.5μm
Mechanical Specifications	Proof Test level		≥1.0%
	Peak Coating Strip Force		1.3~8.9N
	Dynamic stress corrosion susceptibility		≥20

NEWLINK
Cabling Systems

NEW-94650XX

parameter(typical value)

Structure			Parameter
Fiber count		Fibers	4/6/24
Central Strength Member		Material	Fiberglass Reinforce with Plastic(FRP)
Loose Tube Diameter		mm	2.2
Fibers per Tube		--	4/6/6
Element		--	6
Filling compound in loose tube		Material	Thixotropic jelly
Water Blocking Material		--	Jelly
Outer Sheath		Material	PE
Cable Diameter		mm	10.8
Weight		kg/km	97
Tensile strength	Long term	N	600
	Short term	N	1500（Fiber strain≤0.33%）
Crush Resistance	Long term	N	300
	Short term	N	1000
Bending Radius	Dynamic	--	≥25×Cable Diameter
	Static	--	≥12.5×Cable Diameter

Fiber coding: The color coding of the optical fiber shall be in accordance with this table

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White

Identification of optical tube

No. of tube	1	2	3	4	5	6
Color of tube	Blue	Orange	Green	Brown		

Make-up of cable, No. of Fibers in each Tube

NEWLINK
Cabling Systems

NEW-94650XX

No. of Fibers	No. of Tube	1	2	3	4	5	6
4	1	Blue 4	White filler	White filler	White filler	White filler	White filler
6	1	Blue 6	White filler	White filler	White filler	White filler	White filler
24	4	Blue 6	Orange 6	Green 6	Brown 6	White filler	White filler

Ordering Information:

Part Number	Description
NEW-9465004	4-Fiber Loose Tube Indoor/Outdoor
NEW-9465006	6-Fiber Loose Tube Indoor/Outdoor
NEW-9465024	24-Fiber Loose Tube Indoor/Outdoor