

Fiber Optic Rugged Patch Cord



The Rugged Fiber Optic Patch cords are basically Fiber Optic Patch Cords suggested for more rugged harsh environments. The spiral steel tape provides additional crush resistance and rodent attack prevention. The patch cord can be deployed in Remote Radio Head cell tower applications and connection between distribution box and RRH.

Features

Document Version: 84200-XXXX/V2

- Good mechanical and temperature characteristics.
- Small diameter, light weight, easy to connect, and supports large capacity data transmission.
- The material in the jumper cable is all-weather and UV-resistant.
- Flexibility with small bending radius and excellent cable routing properties.

Constructional Specifications

Cable Type : G652D Tight Buffer Fiber OD : 0.9±0.05mm

1100D, 2 Branch outside the Tight buffered,

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Aramid Yarn : 10 branch between the spiral armor & outer

Jacket

Inner Sheath OD: 2.0±0.1 mmSUS Spiral Armored OD: 4.60±0.2mmOuter jacket OD: 7.0±0.3mm

Minimum allowable Tensile strength (Short Term) : 600N

Minimum allowable Tensile : 1000N

strength (Long Term)

Minimum allowable Crush Load

strength (Short Term) : 2000N/100mm

Minimum allowable Crush Load : 300N/100mm strength (Long Term)

Date of Revision: 10/2025

Minimum bending radius : 20D

Minimum bending radius : 10D

Kindly note that any specifications including design, measurements, size, dimension, weight and material specifications mentioned across any technical or commercial document are change by 3C3 India Pvt. Ltd., without any notice.

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Mechanical Specifications

Test : Conditions Reference
Endurance : 500 matings IEC 61300-2-2
Vibration : Frequency: 10 to 55Hz, IEC 61300-2-1

Amplitude: 0.75mm

Cable retention : 400N (main cable); 50N IEC 61300-2-4

(ranch part)

Strength of coupling : QON for 2 to 2mm cable IEC 61300-2-6

mechanism 80N for 2 to 3mm cable

Cable torsion : 15N for 2 to 3mm cable IEC 61300-2-5
Fall : 10 drops, 1m drop height IEC 61300-2-12
: 1N for 1h (main cable); IEC 61300-2-42

Static lateral load 0.2N for 5min (ranch

part)

Environmental Specifications

Change of temperature : -25°C to $+70^{\circ}\text{C}$ Humidity : $+40^{\circ}\text{C}$ at 93%

Ordering Information

Product Code Description

84200-XXXX LCU To LCU Fiber Optic Patch Cord, Ruggedized, 7 mm, Duplex,

OS2

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