A-DQ(BN)(SR)H-MLT

Steel-armoured multi loose tube, LSZH

FIBERS	OUTER JACKET	PROTECTION
48 ref.	**LSZH**	**Steel tape**



Indicative construction. Fiber count and colors vary by configuration.

Overview

A multi loose-tube cable with a dry water-blocked core, corrugated steel tape armour and an LSZH outer jacket. Colored, gel-filled PBT tubes are arranged around a central strength member.

Construction

- Black LSZH outer sheath
- Corrugated steel tape armour
- Swellable glass yarn and swelling yarn
- Water-blocked dry core
- Central strength member
- Gel-filled PBT loose tubes and optical fibers
- Ripcord

Applications

- Campus and inter-building trunk networks
- Primary and secondary distribution
- Ducts, conduits and outside plant
- FTTB / FTTC and heavy-duty routes

Features

Dry, water-blocked core | Steel-tape mechanical protection | Gel-filled PBT tubes | UV-resistant LSZH sheath

Referenced standards

IEC 60754-1; IEC 61034-1/2; IEC 60794-1/2; ISO/IEC 11801; TIA/EIA 568-C.3; TELCORDIA GR-409-CORE.

Referenced standards do not establish a CPR class or a separate fire-resistance rating. Request the documents matching the supplied construction.

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Specifications are not contractual and may change. Confirm the final construction and applicable documents before ordering.

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Technical specifications

Construction data

Reference construction	4 tubes x 12 fibers = 48 fibers
Loose-tube diameter	2.4 mm
Tube material	PBT
Strength members	Water-blocking glass yarn
Armour / outer jacket	Corrugated steel tape / black LSZH

Dimensional and mechanical schedule

Reference build	OD / mm	kg/km	Service / N	Install. / N
4 x 12F / 48F	12 ±1.0	165	1600	2400

Optical characteristics

Fiber grade	Core / cladding / µm	Wavelength / nm	Max. loss / dB/km
G.652.D	9/125	1310 / 1550	0.34 / 0.25

General performance

Crush resistance	2000 N (E3)
Temperature range	-30 to +70 °C (F1)
Minimum bending radius	20D (E11)

All dimensions and mechanical ratings shown apply to the documented 48F reference build. Two-layer constructions up to 192F and alternative jackets require their own approved construction schedule.

D = outer cable diameter. Service / installation = permanent / temporary tensile load.

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