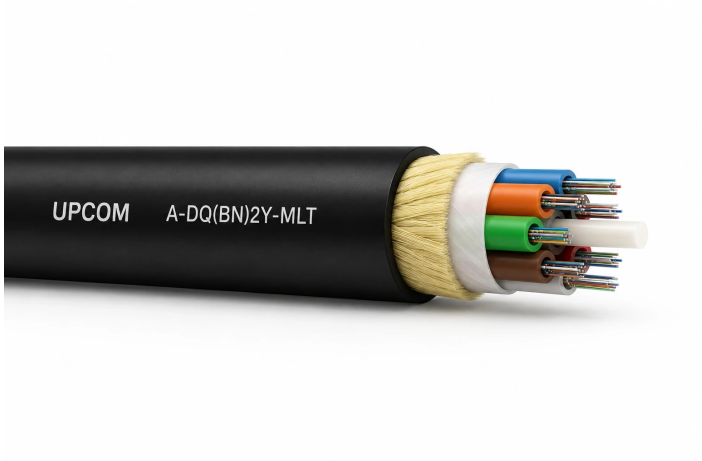
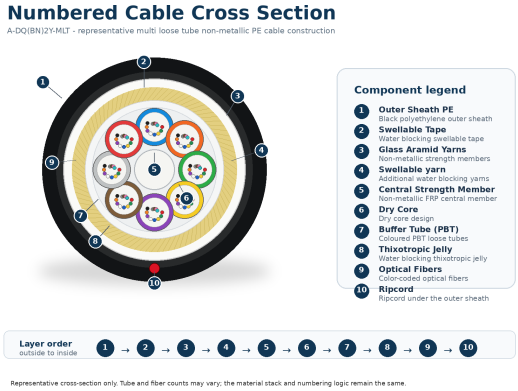
A-DQ(BN)2Y-MLT
MULTI LOOSE TUBE NON-METALLIC ARMORED SINGLE PE JACKET DUCT/BURIED TYPE FIBER OPTIC CABLE

Faithful redraw based on the original UPCOM A-DQ(BN)2Y-MLT datasheet, updated with the approved cleaner product visual style.





Construction Overview

Parameter	Specification
Code designation	A-DQ(BN)2Y-MLT
Cable family	Multi loose tube non-metallic armored single PE jacket duct/buried type fiber optic cable
Representative configuration	8 x 12 tubes x fibers (96F)
Loose tube	PBT, OD 2.3 mm
Filling compound	Thixotropic jelly inside buffer tubes
Strength member	FRP central strength member with glass aramid yarns
Outer sheath	Polyethylene (black), UV-resistant outdoor route jacket
Cable diameter / weight	14.0 mm ±0.5 / 135 kg/km

Product visual uses the approved clean render style. Cable marking text and final construction can be adjusted according to project/order requirements.

Cable Construction

Section	Parameter	Specification
Number of tubes / fibers	Tubes x fibers	8 x 12
Loose tube	Outer diameter	2.3 mm
Loose tube	Material	PBT
Loose tube	Type of filling compound	Thixotropic jelly
Strength member	Central member	FRP
Armour / reinforcement	Material	Swellable aramid yarns
Outer sheath	Material	Polyethylene (Black)
Cable dimensions	Cable diameter	14.0 mm ±0.5
Cable dimensions	Cable weight	135 kg/km

Mechanical Characteristics

Test	Test Standard	Specified Value
Tensile Load Perm./Inst.	-	1500 / 2700 N
Crush Resistance	IEC 60794-1-2 E3	2000 N
Minimum Bending Radius	IEC 60794-1-2 E11	20 x outer diameter

Environmental Characteristics

Test	Test Standard	Specified Value
Temperature Range	IEC 60794-1-2 F1	-30 °C to +70 °C

Optical Characteristics

Parameter	Specification
Optical characteristic	9/125 G.652-d
Bandwidth / wavelength	1310 / 1550 nm
Attenuation max.	0.35 / 0.22 dB/km

Identification

Parameter	Specification
Cable marking	UPCOM marking and cable description can be printed on the outer jacket according to order requirements.
Standard product description	UPCOM FO CABLE A-DQ(BN)2Y-MLT, fiber type and fiber count according to order.
Code designation	A-DQ(BN)2Y-MLT
Outer sheath color	Polyethylene black as standard
Available on request	Other tube counts; sheath, tube and fiber colour options; increased tensile strength with aramid or glass yarn; L-M-HDPE or LSZH sheath.

Application Areas

Application	Typical use
Inter Building Voice or Data Communication Networks	Backbone and distribution links between buildings
FTTC / FTTB / WAN	Distribution and access networks
Outside Plant	Outdoor plant routes
Installed in Ducts & Conduits	Standard duct installation
Campus Cabling	Campus backbone routes
Directly Buried Underground	Underground installation
Harsh Premises Environments	Outdoor routes requiring moisture and environmental protection
Distribution boxes, frames and panels	Customer-side distribution links

Compliance and Configuration Notes

Parameter	Specification
Compliance	IEC 60794-1&2; ISO / IEC 11801; TIA/EIA 568-C.3; TELCORDIA GR-409-CORE
Configuration options	Other number of tubes, colour options, increased tensile strength, L-M-HDPE or LSZH sheath options are available on request.
Production confirmation	Confirm fiber count, fiber type, route condition, marking text, delivery length and final packing before production.

Specifications are indicative and may be modified without prior notice. This document is not a contractual certificate unless confirmed in the order documentation.