C-DA

Base Product

Fiber Optic Cable, Indoor/outdoor Low Smoke Zero Halogen, CPR-only flame rated, Drop Armored

- Indoor/outdoor cables are tough enough for outdoor use while also being listed for indoor use
- Superior mechanical and optical performance with unmatched stability and quality
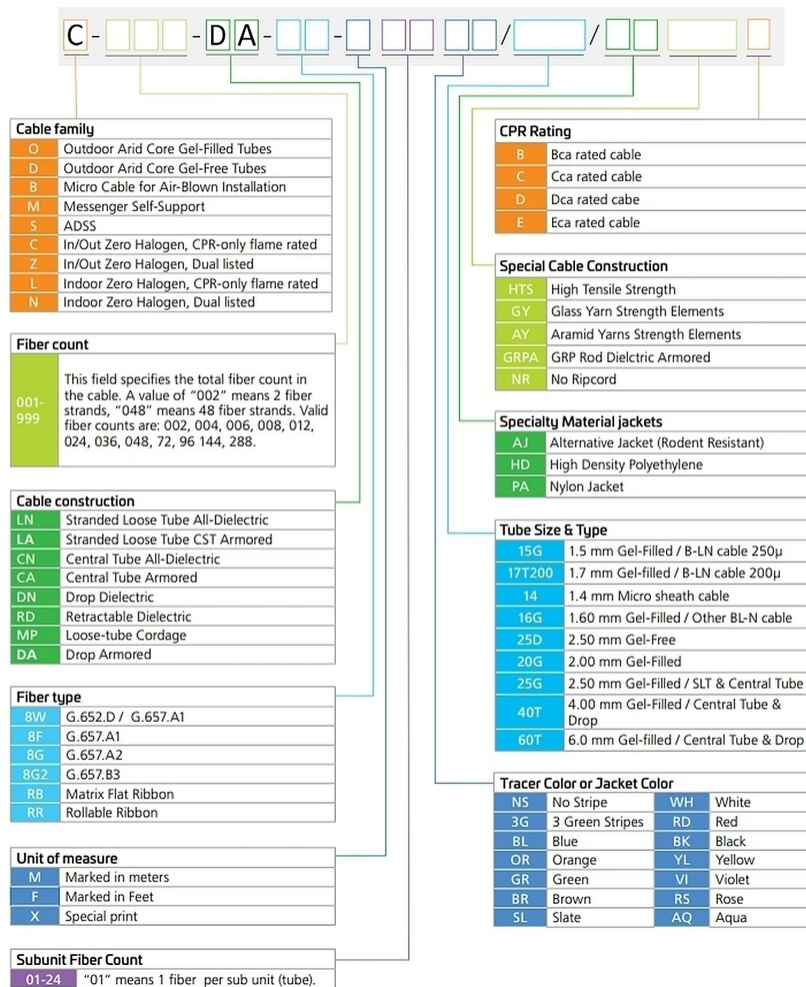
Product Classification

Regional Availability	Asia	Australia/New Zealand	EMEA	Latin America	North America
Portfolio	CommScope®
Product Type	Fiber indoor/outdoor cable
Product Series	C-DA

General Specifications

Armor Type	Corrugated steel
Cable Type	Central loose tube
Subunit Type	Gel-filled
Jacket Color	Black

Ordering Tree

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Cable family

O	Outdoor Arid Core Gel-Filled Tubes
D	Outdoor Arid Core Gel-Free Tubes
B	Micro Cable for Air-Blown Installation
M	Messenger Self-Support
S	ADSS
C	In/Out Zero Halogen, CPR-only flame rated
Z	In/Out Zero Halogen, Dual listed
L	Indoor Zero Halogen, CPR-only flame rated
N	Indoor Zero Halogen, Dual listed

Fiber count

001-999	This field specifies the total fiber count in the cable. A value of "002" means 2 fiber strands, "048" means 48 fiber strands. Valid fiber counts are: 002, 004, 006, 008, 012, 024, 036, 048, 72, 96 144, 288.

Cable construction

LN	Stranded Loose Tube All-Dielectric
LA	Stranded Loose Tube CST Armored
CN	Central Tube All-Dielectric
CA	Central Tube Armored
DN	Drop Dielectric
RD	Retractable Dielectric
MP	Loose-tube Cordage
DA	Drop Armored

Fiber type

8W	G.652.D / G.657.A1
8F	G.657.A1
8G	G.657.A2
8G2	G.657.B3
RB	Matrix Flat Ribbon
RR	Rollable Ribbon

Unit of measure

M	Marked in meters
F	Marked in Feet
X	Special print

Subunit Fiber Count

01-24	"01" means 1 fiber per sub unit (tube).

CPR Rating

B	Bca rated cable
C	Cca rated cable
D	Dca rated cabe
E	Eca rated cable

Special Cable Construction

HTS	High Tensile Strength
GY	Glass Yarn Strength Elements
AY	Aramid Yarns Strength Elements
GRPA	GRP Rod Dielctric Armored
NR	No Ripcord

Specialty Material jackets

AJ	Alternative Jacket (Rodent Resistant)
HD	High Density Polyethylene
PA	Nylon Jacket

Tube Size & Type

15G	1.5 mm Gel-Filled / B-LN cable 250µ
17T200	1.7 mm Gel-filled / B-LN cable 200µ
14	1.4 mm Micro sheath cable
16G	1.60 mm Gel-Filled / Other BL-N cable
25D	2.50 mm Gel-Free
20G	2.00 mm Gel-Filled
25G	2.50 mm Gel-Filled / SLT & Central Tube
40T	4.00 mm Gel-Filled / Central Tube & Drop
60T	6.0 mm Gel-filled / Central Tube & Drop

Tracer Color or Jacket Color

NS	No Stripe	WH	White
3G	3 Green Stripes	RD	Red
BL	Blue	BK	Black
OR	Orange	YL	Yellow
GR	Green	VI	Violet
BR	Brown	RS	Rose
SL	Slate	AQ	Aqua

Mechanical Specifications

Compression	30 N/mm | 171.304 lb/in
Compression Test Method	IEC 60794-1 E3
Impact Test Method	IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	IEC 60794-1 E1
Twist	5 cycles
Twist Test Method	IEC 60794-1 E7

Environmental Specifications

Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)

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Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Cable Qualification Standards	EN 187105 | IEC 60794-1-2
Environmental Space	Aerial, lashed | Buried | Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60331-25 | IEC 60754-1 | IEC 60754-2
Jacket UV Resistance	UV stabilized
Water Penentration	24 h
Water Penentration Test Method	IEC 60794-1 F5

Environmental Test Specifications

Low High Bend Test Method	IEC 60794-1 E11
Temperature Cycle	-20 °C to +70 °C (-4 °F to +158 °F)
Temperature Cycle Test Method	IEC 60794-1 F1

* Footnotes

Operating Temperature   Specification applicable to non-terminated bulk fiber cable

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