



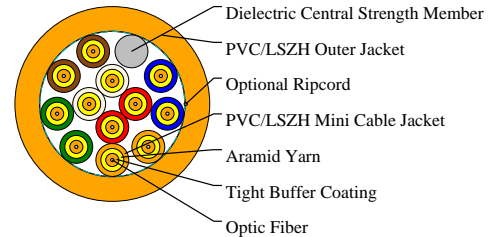
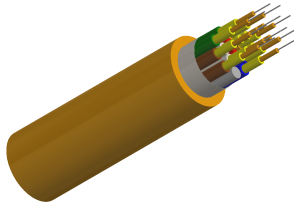
Caledonian

Fiber Optic Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

TIGHT BUFFER DISTRIBUTION PVC/LSZH JACKETED CABLE



APPLICATIONS

Breakout Cable is designed for routing to different locations and direct termination of fibers in the field. The cable is mostly suitable for pre-terminated cable assemblies

Features:

Most rugged and "user friendly" cable design for Local Area Networks

For installations where ease of termination and termination costs are important factors

Short and moderate distance links between buildings or within a building, where multiple termination points are needed

Breakout cables are designed for direct termination with standard connectors

Cable ideal for direct pulling with wire mesh grips

Suitable for both indoor and outdoor use -- no need to for splicing at the building entrance

Flame-retardant or LSZH version for indoor installations

Fungus-resistant, water-resistant, and UV-resistant for outdoor use

High quality tight-buffered coating on each fiber for environmental and mechanical protection

PRODUCT DESCRIPTION

The cable contains 2 to 36 fibers which are individually buffered tight or semi-tight construction. Each fiber is individually protected in a mini cable. Aramid yarn will be applied either inside the mini cable or within the inner jacket of the cable. The color coded mini cable may be stranded around a central strength member which can be either FRP or flexible all-dielectric. Outer Jacket may be PVC or LSZH.

STANDARDS

IEC60794-1-2

GR409-CORE

TIA/EIA 568B.3

ICEA-S-83-596

MECHANICAL PROPERTIES

Minimum Bending Radius:

Under installation: 20XOD

During operation: 10XOD for unarmoured cables

20XOD for armoured cables

Temperature Range:



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Operating Temperature Range: -40°C(-40°F) to +70°C(+158°F)

Storage Temperature Range: -45°C(-58°F) to +70°C(+158°F)

Maximum Compressive Load:3000N for unarmoured

5000N for armoured

Repeated Impact: 2.9 N.m (J) 3X2 impacts

Twist (Torsion): 180X10 times, 125XOD

Cyclic Flexing: 25 cycles for armoured cables;

100 cycles for unarmoured cables.

Crush Resistance: 1750N/cm (1000lb/in)

DIMENSION AND PARAMETERS

No. of fibres	Approx. Overall Diameter		Cable Weight		Maximum Pulling Load (Installation)	Maximum Pulling Load (In Service)
	in	mm	Lbs./Kft	kg/km		
12	0.512	13	107.38	160	3515/790	1200/270