



# Caledonian

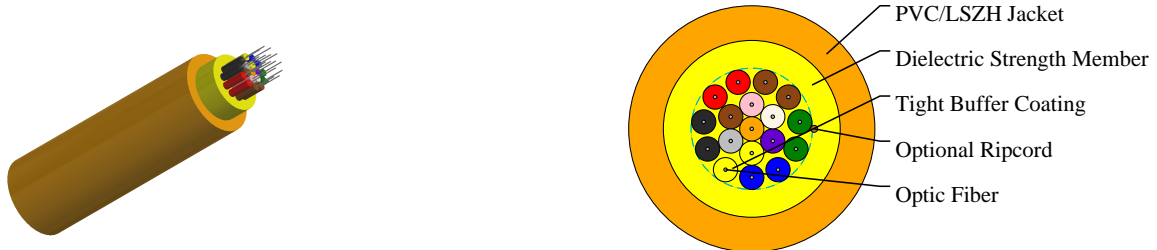
Fiber Optic Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

## TIGHT BUFFER DISTRIBUTION PVC/LSZH JACKETED CABLE

Duplex Round-PVC/LSZH Cable



## APPLICATIONS

This cable is used for interconnection of the distribution boxes and end devices. The cable is very suitable for various indoor and outdoor applications, including routing between buildings within ducts and inside building up to riser shafts.

Features:

Used in LAN and distribution applications where compact size and lightweight are required.

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

Flame-retardant or LSZH version for indoor installations.

Fungus-resistant, water-resistant, and UV-resistant for outdoor installations.

Cable can be armoured for additional protection in direct burial and aerial installations.

Highest specific strength-to-weight ratio for limited conduit space.

Economical for longer distance runs where cable cost is significant.

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

## PRODUCT DESCRIPTION

The Distribution Cable consists of color-coded PVC tight buffered fibers. The fibers are reinforced with aramid yarn for superior strength and contains no metallic elements. The fibers are jacketed with Flame Retardant PVC or LSZH compound.

## 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

Temperature Range:

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



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

Maximum Compressive Load:2000N

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: 1485N/cm (850lb/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		
14-24	0.512	13	93.96	140	2670/600	890/200