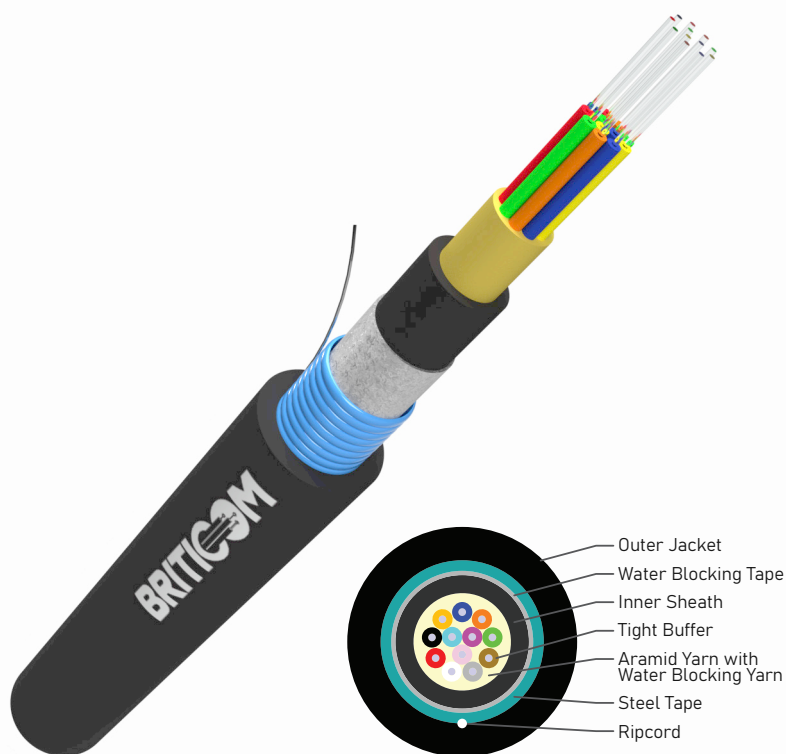




Fibre Optic Cable

Steel Tape Armored Unitube Tight Buffer Outdoor cable



Technical Specifications

Fibre Count		12
Tight Buffer Raw material		LSZH
Tight Buffer OD		0.9±0.05mm
Tight Buffer Color		Blue, orange, green, brown, grey, white, red, black, yellow, purple, pink, aqua
Strength member (Material)		Aramid yarn
Inner Sheath	material	LSZH
	Color	Black
Water blocking	material 1	Water blocking yarn
	material 2	Water blocking tape
Armored	material	Steel tape
	Outer sheath	LSZH
	color	Black
Outer sheath	diameter	10.3±0.5mm
Cable weight		100kg ±10

To Order

Ordering information on page 2.

Product Description

The Briticom® Distribution Tight Buffer Cable features 12 units of 900µm tight-buffered fibers as its optical communication medium. These fibers are reinforced with aramid and water-blocking yarn for strength and protection. An LSZH inner jacket ensures safety and durability, followed by water-blocking tape and steel tape armoring for added protection. A PE outer jacket completes the design.

Features & Benefits

- For outdoor use
- PE and flame-retardant LSZH sheath options
- Double Jacket
- Steel Armour for Harsh environment
- Direct burial
- Water, flame and rodent resistant
- Available in many colours
- IEC 60332-1 & 3 IEC 60228

Applications

- FTTH & Telecom
- Indoor/Outdoor Datacomms
- Data centres
- Telecommunication networks
- CATV - Cable television



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Installation Temperature range (°C)		-40+70
Operation and transport temperature (°C)		-40+70
Min Bending Radius(mm)	Long term	15D
Min Bending Radius(mm)"	Short term	30D
Tensile Strength(N)"	Operating	1200
	Installation	3000
Crush Load (N/100mm)	Long term	2500
	Short term	4500

Mechanical Specifications

Proof Test		-	≥9.0	[N]
		-	≥1.0	[%]
		-	≥100	[Kpsi]
Macro-bend Induced Loss	100 Turns Around a Mandrel of 30mm Radius	1625nm	≤0.05	[dB]
	100 Turns Around a Mandrel of 25mm Radius	1310nm and 1550nm	≤0.05	[dB]
	1 Turn Around a Mandrel of 16mm Radius	1550nm	≤0.05	[dB]
Coating Strip Force		Typical average force	1.5	[N]
		Peak force	1.3-8.9	[N]
Dynamic Fatigue Parameter(nd)		-	≥20	-

Ordering Information

Use combinations of **bold** letters and numbers to create part numbers for ordering.

Cable Type		No of Fibres		Additional*	
UTBSTA	Unitube Tight Buffer Steel Tape Armoured	C12	12 F0	DY 2W FI SM FRPM FRPMF8	Dry 2 Wires Flat Inside Round Steel Wire Messenger FRP Messenger Figure 8 FRP Messenger FRP x 2
▲		▲		▲	
UTBSTA	S2	C12	LS		
	▼		▼		
G657A1 G657B3 OM1 OM2 OM3 OM4 OS1 OS2	A1 B3 M1 M2 M3 M4 S1 S2	HDPE PVC LSZH Polyethylene LDPE Double Jacket PE/PVC Double Jacket HDPE	HD PV LS PE LD DJVE DJHD		
Fibre Type		Material			

Example Part Number	
Description	Part Number
Uni Loose-Tube Steel Tape Armoured Cable 12 Cores Single-mode OS2 PE	ULSTAS2C12PE

To Order

To place an order, use the contact details below.