



## *Tactical Cables*

### *TAC-625-04-RHFFR*

#### **General Information**

Repeated deployment and retrieval of cable in indoor and outdoor environments including rough terrain where sporadic vehicular traffic and pedestrian activity are expected.



#### **General Construction**

The cable contains 4 optical fibers each with a 0.9 mm color-coded halogen-free buffer. All cables are reinforced and protected by aramid strength yarns and encased within an inner jacket. Water blocking materials are applied inside. The inner cable is wrapped with a layer of braid steel wires that provide rodent and protection and outer jacketed.

#### **Applications**

Direct termination, Military/Tactical ,Rugged environments.

#### **Military tactical applications**

Tactical applications such as video coverage of combat fields and other temporary installations where high bandwidth information needs to be transmitted. In a military environment where the resistance of the cable is a requirement.

#### **Features**

- Flexible metal tube protect the fiber optic.
- High compression resistant, high tensile resistant, rat-bite resistant.
- Bend resistant and optimum flexible.
- Easy wiring, secured and reliable.

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## Standards

Applicable standards	IEC 60794
Installation	Guidelines as per IEC 60794-1-1 Annex A

## Performance

Max Tensile Strength –Short term	2500 N
Max Tensile Strength –long term	1500 N
Impact resistance	2.2 Nm
Impact resistance	100 cycles
Max Crush resistance	1100 N/cm
Min Bend Radius for Installation	80mm
Min Bend Radius for Installation	65mm
Repeated Bending	2000 cycles
Cold Bend	-46°C
Max Operating Temperature	+85°C
Min Operating Temperature	-55°C
Max Storage Temperature	+85°C
Min Storage Temperature	-55°C
UV resistance	Yes
Water Blocking	Yes

## Technical specifications

4 FIBER Molt Mode	62.5 MIC
PBT -WATER BLOCK	Jelly fill
Metal Tube—Anti Roudent	Round metal tube with gap
Metal Braid	Stainless steel metal braid within
Kevlar	Dupont Kevlar x 25 Root
OUTER DIAMETER	8.2mm

## Materials

HFFR	Halogen free flame retardant
Buffer material	Polyester Elastomer
Buffer Diameter	900µm
Inner Jacket Meterial	PU
Armoring	Braid Galvanized Steel
Outer Jacket Color	black
Marking	Per Request
Outer Jacket Material	PU
Outer diameter	8.2 mm nom
weight	115kg / km



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