Part Number: FO-CSA-OUT-9-6-PE

Applications:	Blown Installation, CATV and DataCom, Direct Burial Campus Backbone, General purpose armored Outdoor, Long Distance OSP, Outdoor Plant Duct Installation, Rugged environments
General Construction:	This gel free cable contains 6 color-coded optical fibers in 1 color-coded loose tube. This tube includes a swellable yarn to prevent the ingress of water and is SZ stranded with 4 fillers around a dielectric central strength member. A Corrugated steel armor is longitudinally applied over the swellable fiber-glass strength yarns which reinforce the cable core. An outer jacket is extruded over the armoring. Rip cords are added under the armor to facilitate removal

Outer Diameter:	12.2 mm nom.
Weight:	147 kg/km

Design & Materials

Buffer Material:	Polypropylene
Tube Diameter:	2.5 mm nom.
Conductor Color Code:	Fiber Color Code:
Central Strength Member:	FRP
Cabling:	SZ
Strength Elements:	E-Glass Yarns
Armor:	Yes
Armoring:	Corrugated Steel
Armor Thickness (um):	150 µm
Fiber Containing Tubes:	1
Number of fibers:	6
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Black
Marking:	Hyperline

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801, TIA/EIA-568, ASTM G154, RoHS-2 2011/65/EU
Installation:	Guidelines as per IEC 60794-1-1 Annex A

Performance

Tensile Strength - Short Term:	2700 or the equivalent of the cable weight per km, whichever is hugher N max.
Tensile Strength - Long Term:	60% of Max. Tensile Strength - Short Term N max.
Impact Resistance:	10 N*m
Impact Resistance:	3 cycles
Max. Crush Resistance:	500 N/cm
Min. Bend Radius for Installation:	20xD mm
Min. Bend Radius for Operation:	20xD mm
Repeated Bending:	25 cycles
Torsion (L=125 x d):	10 cycles
Max. Operating Temperature:	+70 °C
Min. Operating Temperature:	-40 °C
Max. Installation Temperature:	+45 °C
Min. Installation Temperature:	-20 °C
Max. Storage Temperature:	+70 °C
Min. Storage Temperature:	-40 °C
UV resistance:	Yes
Waterblocking:	Yes