

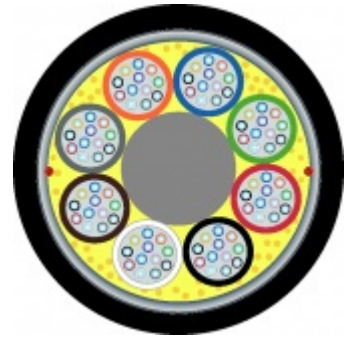
CST-090-96/Dca

Part Number: **F909608YDB**

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 96 SM G652D color-coded optical fibers in 8 color-coded loose tubes. These tubes include swellable yarns to prevent the ingress of water and are SZ stranded 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.

Outer Jacket Material: FR-LSZH
Outer Diameter: 14.5 mm nom.
Weight: 250 kg/km



Design & Materials

Buffer Material:	HFFR
Tube Diameter:	2.5 mm nom.
Color Code:	Per TIA/EIA 598-D
Central Strength Member:	FRP
Cabling:	SZ
Strength Elements:	E-Glass Yarns
Armor:	Yes
Armoring:	Corrugated Steel - ECCS
Armor Thickness (um):	150 µm
Fiber Containing Tubes:	8
Number of fibers:	96
Waterblocking:	Dry Waterblocking
Rip-Cord:	Yes
Outer Jacket Color:	Black
Marking:	Per request

Standards

Applicable Standards:	IEC 60794-1-21/22, IEC 60794, ISO/IEC 11801-1, TIA/EIA-568, RoHS 3 2015/863/EU
Flammability Rating:	IEC 60332-1, IEC 60332-3 , EN 50575:2014 DcaS2d2a1 (CPR)

Performance

Max. Installation Tensile Load :	2700 N max.
Max. fiber strain at MIT:	0.6 %
Max. Fiber Strain at MRS.:	0.2 %
Max. Residual Tension (MRS):	810 N
Impact Resistance:	10 N*m
Impact Resistance:	3 cycles
Max. Crush Resistance:	400 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