ADSC-9-04X06-D-KP BK FIBEROPTICS P/N F902404W9B

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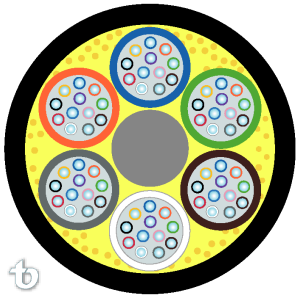
Applications

Aerial Installations

Outer Jacket Material	Outer diameter	Weight
HDPE	10.6 mm nom.	80 kg/km



General Construction

This All Dielectric Self-Supporting (ADSS) cable contains 24 SM G652D color coded optical fibers, contained in 4 loose tubes filled with thixoropic gel. The loose tubes are stranded around a dielectric central strength member. Fillers are used as needed to preserve cable geometry. The cable core is reinforced and protected by strength yarns, and an outer jacket with a black, UV-resistant HDPE compound completes the cable's construction.

Design & Materials

Buffer Material	PBT
Tube Diameter (mm nom)	2.5
Color Code	Per TIA/EIA 598-D
Central Strength Member (O.D. nom)	FRP
Cabling	SZ
Strength Elements	Aramid Yarns
Fiber Containing Tubes	4
Total Number Of Elements	5
Number Of Fibers	24
Rip-Cord	Yes
Outer Jacket Color	Black
Marking	Per request

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Performance

NESC Class	LIGHT
Max. Span (m)	400
Sag (%)	2.5
Loading Tension (N)	5492
Max. Operational Tension (N)	1575
Max. Wind Velocity (km/hr)	94.4
Max. Fiber Strain at Installation (%)	0.05
Max. Fiber Strain at Operation (%)	0.2
MRCL (N)	7766
Linear Expansion Coefficient (x10-6/°C)	12.45
Initial Modulus (Gpa)	8.8
Modulus after Load (Gpa)	9.68
Modulus after Creep (Gpa)	7.92
Impact Resistance (N*m)	10
Impact Resistance (cycles)	3
Max. Crush Resistance (N/cm)	400
Min. Bend Radius for Installation (mm)	20xD
Min. Bend Radius for Operation (mm)	10xD
Repeated Bending (cycles)	100
Torsion (L=125 x d) (cycles)	10
Min. Installation Temperature (°C)	– 5
Max. Installation Temperature (°C)	+35
Min. Operating Temperature (°C)	–40
Max. Operating Temperature (°C)	+70
Min. Storage Temperature (°C)	–40
Max. Storage Temperature (°C)	+70
Drip Test (°C)	80
UV Resistance	Yes
Installation	Guidelines as per IEC TR 62263
Alternatives	For additional fiber counts, please contact the Teldor Sales Department.

Standards

Flammability Rating
IEC 60754

Applicable Standards
IEC 60794
IEC 60794-1-21/22
EIA/TIA-455

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