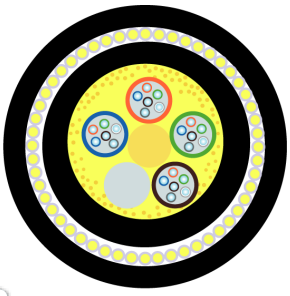
ADSC-9-01X12-D-KP-FRP-P AT BK FIBEROPTICS P/N F901201UHB

TELECOM

Applications

Aerial Installations



Outer Jacket Material	Outer diameter	Weight
PE Track Resistant	15.5 mm nom.	212 kg/km

General Construction

All Dielectric Self-Supporting (ADSS) cable contains 12 SM G652D color coded optical fibers, each with a 250um outer diameter. The cable contains 1 loose tube which is filled with thixoropic gel. The tube and 5 fillers are stranded around a dielectric central strength member. The cable jacket incorporates an aramid yarns reinforcement, an inner PE layer, rigid dielectric armor and an outer jacket.
The cable is designed for installation on power lines having a maximum voltage of 115 kV between phases and for a space potential of 24kV maximum.

Design & Materials

Fiber Type	Single-mode|Single-mode G.652|SM-G652.D
Buffer Material	PBT
Buffer Tube Diameter (mm nom)	2.5
Color Code	Per TIA/EIA 598-D
Number Of Fibers	12
Inner Jacket Material	PE
Armoring	FRP Rods
Rip-Cord	Yes
Outer Diameter (mm nom)	15.5
Outer Jacket Color	Black
Marking	Per request
Outer Jacket Material	PE Track Resistant

Performance

NESC Class	LIGHT
Max. Span (m)	400
Sag (%)	1.0
Breaking Strength (N)	12000
Loading Tension (N)	13987

Standards

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

ADSC-9-01X12-D-KP-FRP-P AT BK
P/N F901201UHB

TELECOM

Max. Operational Tension (N)	9193
Max. Fiber Strain at Installation (%)	0.05
Max. Fiber Strain at Operation (%)	0.2
MRCL (N)	25570
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)	– 20
Max. Installation Temperature (°C)	+45
Min. Operating Temperature (°C)	–40
Max. Operating Temperature (°C)	+65
Min. Storage Temperature (°C)	–40
Max. Storage Temperature (°C)	+65
Drip Test (°C)	80
UV Resistance	Yes
Termite Resistant	Yes
Rodent Resistance	Yes

Alternatives

Max. Span (m)	Sag(%)	Max. Installation Tension(N)	Loading Tension (N)	MRCL(N)
150	1.0	3447	6447	25570
250	1.0	5746	9611	25570

-For additional fiber counts, please
contact the Teldor Sales Department.

TELECOM

Teldor Cables & Systems Ltd. (“Teldor”) reserves the right to make changes to the products described in this catalog without prior notice. Teldor does not assume any liability which may occur due to the use of the products described herein. Drawings may not be to scale and are provided for general and informational purposes only. The information contained in this catalog is the proprietary property of Teldor, and may not be used, reproduced or disclosed to others, in whole or in part, without the written authorization of Teldor.

Version 1.4 | Last update: 2026-11-04