

15-35KV Covered Conductor/Spacer Cable XLP/FRXLP 90°C Flame Resistant (Patented Product)



Application

Flame Resistant Covered Conductor/Spacer Cable is designed for use in primary and secondary overhead distribution where there is limited space available for rights of way, and where fire hazards are concerns. In case tree limbs or other objects come in contact with conductors, the flame resistant outer covering will effectively prevent direct shorts and instantaneous flashovers. The insulating properties of the covering layers allow for the cable system to be bundled into a compact area. The resulting close-proximity configuration minimizes the amount of space and hardware required for line installation effectively solving most right-of-way-problems. In case of a fire, the flame resistant wire will eliminate the spread of fires along transmission lines, which reduces the secondary fires caused by the propagation and dripping flaming material.

Construction

Conductors: ACSR or AAAC aluminum conductor, concentric or compressed stranded.

A semi- conducting tape may be applied over conductor as needed.

Strand Shield: semi-conducting crosslinked polyethylene (XLP), black.

Inner Covering: crosslinked polyethylene (XLP), natural

Outer Covering: sunlight & flame resistant crosslinked polyethylene (FR-XLP), black or grey

Temperature Rating

Normal: 90°C

Emergency: 130°C

Short Circuit: 250°C

Specifications

ICEA S-121-733 Tree Wire and Messenger Supported Spacer Cable

ASTM B-230 Aluminum Wire, 1350-H19 for Electrical Purposes

ASTM B-232 Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced

ASTM B-399 Concentric-Lay-Stranded Aluminum-Alloy 6201-T81 Conductors

UL 2556 Flame Test FT1/VW-1, FT2

1-800-945-5542



Cable Data

Size (AWG/ Kcmil)	Strands	Cond. Type	Nominal Conductor Diameter (in)	Nominal Strand Shield Thickness (in)	Nominal Covering Thickness (in)		Nominal Finished Cable Diameter (in)	Nominal Cable Weight (lbs/kft)	Rated Strength (lbs)	Cable Ampacity* @25°C ambient (amps)
					Inner	Outer				
ACSR or AAAC, 15KV										
123.3**	19	AAAC	0.403	0.015	0.075	0.075	0.733	278	3940	292
1/0	6/1	ACSR	0.398	0.015	0.075	0.075	0.728	304	4161	276
336.4	19	AAAC	0.665	0.015	0.075	0.075	0.995	553	10200	517
336.4	18/1	ACSR	0.684	0.015	0.075	0.075	1.014	607	8246	592
394.5	19	AAAC	0.721	0.015	0.075	0.075	1.051	623	11970	606
ACSR or AAAC, 35KV										
123.3**	19	AAAC	0.403	0.015	0.175	0.125	1.033	492	3940	292
1/0	6/1	ACSR	0.398	0.015	0.175	0.125	1.028	517	4161	276
336.4	19	AAAC	0.665	0.015	0.175	0.125	1.295	826	10200	517
336.4	18/1	ACSR	0.684	0.015	0.175	0.125	1.314	885	8246	592
394.5	19	AAAC	0.721	0.015	0.175	0.125	1.351	909	11970	606

Note: dimensions are subject to manufacturing process tolerances.

*Ampacities for conductor operating temperature of 90°C.

** The equivalent 1/0AWG ACSR.

Cable Marking

PRIORITY WIRE SPACER CABLE 15(or 35)KV <Size> (AWG/KCMIL) <Type> CONCENTRIC (or COMPRESSED)
STRAND XLP/FRXLP 15/75(or 175)/75(or 125) (Date & Time) (seq. ft)

1-800-945-5542