

igupren Power Cable

Chainflex® CFCRANE

For maximum voltages and output, oil-resistant,
UV-resistant, flame-retardant

Construction

Conductors: Highly flexible cable consisting of tinned copper wires

Conductor insulation: Inner secondary layer made of conductive rubber. Insulating sheath made of high-quality, heat-resistant and ozone-proof (free) ethylene propylene rubber (EPR). External semi-conducting layer made of conductive rubber

Overall shield: tinned copper shield. 80% optical coverage

Outer jacket: Flame-retardant, oil-resistant rubber jacket made of iguprene for maximum mechanical stress.

Technical Data

Minimum bending radius, moving: 10 x outer cable diameter

Minimum bending radius, fixed: 7.5 x outer cable diameter

Permissible temperature, moving: -4°F to +176°F (-20°C to +80°C)

Permissible temperature, fixed: -22°F to +176°F (-30°C to +80°C)

Nominal voltage: 6/10kV (other voltage upon inquiry)

Test voltage: 17kV

Oil resistance: High

UV resistance: High

CE: 2006/95/EG CEI: 20-35

RoHS: Complies to 2011/65/EU (RoHS II)

Typical Applications

- for maximum mechanical load requirements
- indoor and outdoor applications, UV-resistant
- for freely suspended and gliding travel up to 1640 ft (500m) or more
- outdoor ship to shore, crane applications, conveyor technology

Part No.	Center AWG/ Shield AWG	No. of Conductors and Rated Cross Section in mm ²
CFCRANE 1x25/16	4 / 6	1 x 25/16
CFCRANE 1x35/16	2 / 6	1 x 35/16
CFCRANE 1x50/16	1 / 6	1 x 50/16
CFCRANE 1x70/16	2/0 / 6	1 x 70/16
CFCRANE 1x95/16	3/0 / 6	1 x 95/16
CFCRANE 1x120/16	4/0 / 6	1 x 120/16

Part No.	Outer Diameter (approx)		Copper Index		Weight	
	in.	(mm)	lbs/mft	(kg/km)	lbs/mft	(kg/km)
CFCRANE 1x25/16	1.06	(27)	318.2	(468)	639.2	(940)
CFCRANE 1x35/16	1.14	(29)	391.7	(576)	754.8	(1110)
CFCRANE 1x50/16	1.18	(30)	484.2	(712)	918.0	(1350)
CFCRANE 1x70/16	1.26	(32)	620.2	(912)	1054.0	(1550)
CFCRANE 1x95/16	1.34	(34)	778.6	(1145)	1237.6	(1820)
CFCRANE 1 x 120/16	1.38	(35.0)	876.5	(1306)	1409.4	(2100)

igus®

CFCRANE

Price Index



CLASS
6.4.3



Conductor
Highly flexible
special
conductor

Core insulation
Extruded EPR
insulation over
conductive
rubber

Overall shield
Highly flexible
copper shield

Outer jacket
Extruded, highly
abrasion-resistant
iguprene blend



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number