

# 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/<br>Shield AWG | No. of Conductors<br>and Rated Cross<br>Section in mm <sup>2</sup> |
|------------------|---------------------------|--------------------------------------------------------------------|
| 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<br>(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