

1-FT-224-12/18-G-19



- 7/32" (5.69 mm) Mono Conductor Cable
- Temperature Rating 500 °F (260°C)
- Conductor – Copper
- Insulation – FEP/ETFE
- Armor - GIPS

| Construction Characteristics | English | Metric |
|------------------------------------|---------|----------|
| Conductor – 16 AWG , 19 x 0.0119": | 0.059" | 1.499 mm |
| Wall Thickness: | 0.0245" | 0.622 mm |
| Insulation – OD: | 0.108" | 2.743 mm |
| Armor – Inner : 12 Wires 0.031": | 0.162" | 4.115 mm |
| Armor – Outer : 18 Wires 0.031": | 0.224" | 5.690 mm |

| Mechanical Characteristics | English | Metric |
|---------------------------------|--------------------------------|--|
| Weight in Air: | 97 lbs/kft | 145 kg/km |
| Weight in Water: | 82 lbs/kft | 122 kg/km |
| Breaking Strength (Ends Fixed): | 5,600 lbs | 2,540 kg |
| Working Load (Maximum): | 3,360 lbs | 1,524 kg |
| Temperature Rating (Maximum): | 500 °F | 260 °C |
| Suggested Minimum Sheave: | 14" dia. | 356 mm |
| Outside Diameter: | 0.224 $\frac{+.005"}{-0.002"}$ | 5.69 $\frac{+0.127\text{ mm}}{-0.051\text{ mm}}$ |
| Stretch Coefficient: | 2.5 ft/kft/klb | 2.8 m/km/5kN |

| Electrical Characteristics | English | Metric |
|---|--------------|-----------|
| Voltage Rating: | 1,200 VDC | 1,200 VDC |
| DC Conductor Resistance at 68°F (20°C): | 4.0 Ω/kft | 13.1 Ω/km |
| DC Armor Resistance at 68°F (20°C): | 4.4 Ω/kft | 14.4 Ω/km |
| Capacitance Conductor to Armor: | 61 pF/ft | 200 pF/m |
| Minimum Insulation Resistance: | 1,500 MΩ*kft | 457 MΩ*km |