



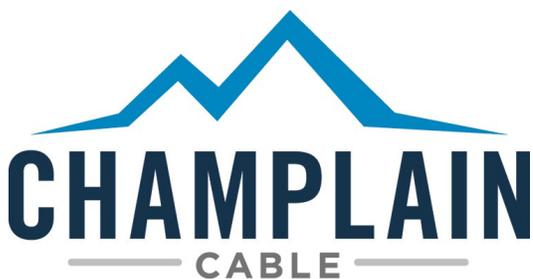
155 SFX-OR UL 3575 Metric

UL 3575, CSA, 150°C , 7500V

- Highly Engineered EXAR® SFX-OR Irradiation Crosslinked Polyolefin
- Composite Insulation Allows for a Thin “Best-In-Class” OD.
- Highly Flexible and “Best-In-Class” Varnish Resistance
- Exceptional Combination of Performance & Value
- Survives Elevated Bake Cycles of 180°C+
- UL Approved for use in Motor Oils up to 60°C



| Cross Section mm ² | Conductor Construction Tinned Copper | Diameter of Conductor mm. (Nom) | Insulation Thickness mm. (Nom) | Finished Diameter mm. (Nom) | Resistance maximum @ 20°C ohms/km | Finished Weight (kg/100m) |
|-------------------------------|--------------------------------------|---------------------------------|--------------------------------|-----------------------------|-----------------------------------|---------------------------|
| 6 | 81 X 0.30 | 3.30 | 1.52 | 7.20 | 3.39 | 9 |
| 10 | 78 X 0.40 | 4.20 | 1.52 | 8.10 | 1.95 | 13 |
| 16 | 119 X 0.40 | 5.20 | 1.52 | 9.10 | 1.24 | 19 |
| 25 | 182 X 0.40 | 6.70 | 1.52 | 10.60 | .795 | 27 |
| 35 | 266 X 0.40 | 7.90 | 1.52 | 11.80 | .565 | 39 |
| 50 | 378 X 0.40 | 9.40 | 2.03 | 14.30 | .393 | 54 |
| 70 | 348 X 0.50 | 11.50 | 2.03 | 16.40 | .277 | 75 |
| 95 | 444 X 0.50 | 12.90 | 2.03 | 17.80 | .210 | 92 |
| 120 | 551 X 0.51 | 15.00 | 2.41 | 20.66 | .171 | 111 |





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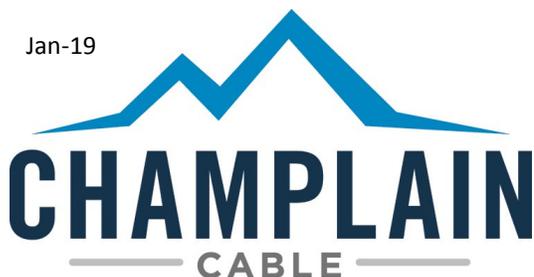
UL 3575

Metric

| PROPERTIES | EXAR SFX 155 - Oil Resistant |
|--|-------------------------------|
| Approvals / Listings: | |
| UL | UL STYLE 3575 |
| Physical Properties: | |
| Temperature Rating | 150°C |
| Voltage Rating (Vrms) | 7,500V |
| Scrape Abrasion Resistance | 1,500 cycles |
| Shore "A" Hardness | 83 |
| Shore "D" Hardness | 33 |
| Cold Bend - 4h @ -70°C | Passes |
| Bend Radius | 3x Overall Diameter |
| Tensile Strength: | |
| Unaged | 2,900 psi |
| Retention after 7 days @ 180°C | Pass (> 80%) |
| Elongation: | |
| Unaged | 350% |
| Retention after 7 days @ 180°C | Pass (> 80%) |
| Flame Test: | |
| UL 758 and FT2 Horizontal Burn 6,0 mm ² VW-1 FT1 10mm - 95mm ² | Passes |
| UL Oil Resistance 60°C maximum. | |
| 96 hrs. @100°C | Tensile + Elongation 50% min. |
| | Tensile 58% Elongation 82% |
| Chemical Resistance | |
| Acetone | Swell @23°C** |
| Acid - H2SO4 S.G. 1.260 5% | Swell @23°C** |
| Engine Oil - ASTM D-471 IRM-902 | Swell @50°C** |
| Benzene | Swell @23°C/24h |
| Epoxy | Swell @23°C/24h |
| Gasoline - ASTM D-471 Fuel C | Swell @23°C** |
| Methanol | Swell @23°C/24h |
| Toluene / Xylene | Swell @23°C/24h |
| Mineral Oil | Swell @23°C/24h |
| Electrical: * | |
| Dielectric Constant | 3.2 |
| Dielectric Breakdown Strength (Vrms) | 21,300 |
| Corona Inception Point | 3,500 Volts |
| Corona Extinction Point | 2,000 Volts |
| Oxygen Index: | 25 |

We cannot anticipate all conditions under which this information and our products or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purpose. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss and damage arising from the handling and use of our products whether used alone or in combination with other products. * UL oil resistance tested to IRM-901 oil per UL and ASTM test references. There are many types of oils and lubricants. Champlain recommends testing in your particular application and/or oil type prior to use to confirm compatibility.

Jan-19



Manufacturing Locations:

Colchester, Vermont

El Paso, Texas

www.champcable.com