

FEATURES

- Lightweight and flexible
- High expansion ratio
- Excellent abrasion and cut-through resistance
- Highly flexible with a high tensile strength
- UV light resistant
- PET resistant to most chemicals and solvents including petrol and other automotive fluids
- Flame retardant
- Flammability rating 94V2, VW-1
- Operating temperature range - 40 to +125°C

RS PRO Expandable Braided PET Black Cable Sleeve, 15mm Diameter, 5m Length

RS Stock No.: 408-205



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From RS PRO a range of high-quality expandable cable sleeving made from durable and environmentally friendly PET (Polyester) monofilament yarns. Electrical wires and cables are simply routed through the sleeve and the flexible construction of the sleeve expands to accommodate a wide range of cable diameters. The unique woven braided construction of this PET cable sleeving and its high expansion ratio allows it to be quickly and easily installed over large connectors, wire bundles and irregular shapes.

General Specifications

| | |
|-----------------------|--|
| Material | PET |
| Colour | Black |
| Braided | Yes |
| Expandable | Yes |
| Fire Behaviour | Flame retardant |
| Applications | Laboratories, Chemical processing, Appliance manufacturing, Medical and pharmaceutical, Automotive and marine applications, Building and construction industry, Food and beverage industries |

Mechanical Specifications

| | |
|-------------------------------|--------------|
| Sleeve Diameter | 15mm |
| Sleeve Length | 5m |
| Cable Diameter Range | 10mm to 25mm |
| Minimum Cable Diameter | 10mm |
| Maximum Cable Diameter | 25mm |
| Strand (End) | 3 |

Operation Environment Specifications

| | |
|--------------------------------------|----------------|
| Operating Temperature Range | -50°C to 125°C |
| Minimum Operating Temperature | -50°C |
| Maximum Operating Temperature | 125°C |

Approvals

| | |
|----------------------------------|-------------------------|
| Compliance/Certifications | UL ,RoHS , LUL |
| Standards Met | RoHS Compliant, UL 1441 |



Technical Data

| Property | Test Method | Typical Value |
|---------------------|----------------|----------------------------------|
| Heat resistance | 150°C /240 hrs | Pass |
| Melting Temperature | ASTM D 276 | 265°C |
| Flammability | UL 224 | 94V2 |
| Abrasion Test | STL S21 5101 | None-broken after 144000 cycles. |
| Solvent Resistance | 16726-F01 | PASS |

Specifications

| Part No. | Description | Nominal Size | Strand(end) | Bundle DIA Min(mm) | Bundle DIA Max(mm) | Colour |
|----------|---------------------------|--------------|-------------|-----------------------|------------------------|--------|
| 408243 | Expandable braided sleeve | 5 | 3 | 3 | 10 | Grey |
| 408237 | Expandable braided sleeve | 10 | 3 | 6 | 18 | Grey |
| 408249 | Expandable braided sleeve | 15 | 3 | 10 | 25 | Grey |
| 408233 | Expandable braided sleeve | 20 | 3 | 12 | 30 | Grey |
| 408192 | Expandable braided sleeve | 30 | 4 | 25 | 45 | Grey |
| 408259 | Expandable braided sleeve | 40 | 4 | 35 | 60 | Grey |
| 408255 | Expandable braided sleeve | 50 | 5 | 45 | 73 | Grey |
| 408198 | Expandable braided sleeve | 5 | 3 | 3 | 10 | Black |
| 408209 | Expandable braided sleeve | 10 | 3 | 6 | 18 | Black |
| 408205 | Expandable braided sleeve | 15 | 3 | 10 | 25 | Black |
| 408215 | Expandable braided sleeve | 20 | 3 | 12 | 30 | Black |
| 408211 | Expandable braided sleeve | 30 | 4 | 25 | 45 | Black |
| 408221 | Expandable braided sleeve | 40 | 4 | 35 | 60 | Black |
| 408227 | Expandable braided sleeve | 50 | 5 | 45 | 73 | Black |
| 408277 | Expandable braided sleeve | 10 | 3 | 5 | 21 | Black |
| 408271 | Expandable braided sleeve | 25 | 3 | 10 | 30 | Black |
| 408287 | Expandable braided sleeve | 40 | 3 | 18 | 54 | Black |
| 408293 | Expandable braided sleeve | 3 | 1 | 2.36 | 6.35 | Black |
| 408283 | Expandable braided sleeve | 12 | 3 | 6.35 | 19 | Black |
| 408299 | Expandable braided sleeve | 19 | 3 | 12.7 | 31.7 | Black |