

## Technical Data

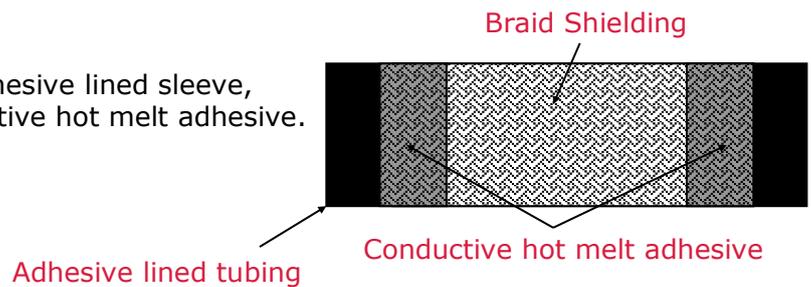
# ShieldFast®

## Standard 3:1 Range of Screened Devices

### Design

The ShieldFast® range of screened devices offers full shielding and grounding continuity to cables where they are most vulnerable at terminations, splices and transitions. The Unique one-piece parts are heat shrinkable to give a snug fit and provide mechanical protection, strain relief and sealing to the underlying structure.

The design features a heat shrinkable, adhesive lined sleeve, which contains shielding braid and conductive hot melt adhesive.



### Dimensions

| Part No. | Supplied I.D. Minimum | Recovered I.D. Minimum | Length | Recovered Wall Thickness |
|----------|-----------------------|------------------------|--------|--------------------------|
| RSCD-230 | 9.0mm                 | 3.0mm                  | 40mm   | 1.4mm                    |
| RSCD-231 | 12.0mm                | 4.0mm                  | 40mm   | 1.8mm                    |
| RSCD-232 | 18.0mm                | 6.0mm                  | 60mm   | 2.2mm                    |
| RSCD-233 | 24.0mm                | 8.0mm                  | 60mm   | 2.5mm                    |
| RSCD-234 | 40.0mm                | 13.0mm                 | 80mm   | 2.5mm                    |

### Specification

|  |  |
|--|--|
| Tubing material:                             | Flame retarded cross-linked polyolefin |
| Shrink ratio:                                | 3:1                                    |
| Continuous operating temperature:            | -55°C to 110°C                         |
| Tensile strength:                            | 14 Mpa                                 |
| Elongation at break (insulation):            | 300%                                   |
| Dielectric strength (insulation):            | 10 kV/mm                               |
| Braid coverage:                              | 360° >95%                              |
| Installation temperature:                    | 110°C                                  |
| Adhesion: Peel strength to cable insulation: | 100N / 25mm                            |
| Peel strength to cable braid:                | 100N / 25mm                            |
| Chemical resistance to fluids and water:     | Excellent                              |
| EMC shielding performance (overall):         | >70dB at 100 Mhz                       |
| DC resistance end-to-end:                    | <1 mΩ                                  |

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