

Coaxials // SM & SMT

High temperature, sub-miniature coaxial and triaxial cables

Intended for use primarily as a transmission line in high frequency applications

50 Ω

-55°C to +200°C

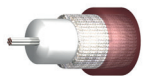
| Description | Construction | | | | | Properties | | | | Article Number |
|-------------|--------------|-------|------------|-----------------------|-----------------------|------------|---------|-------------|-----------|----------------|
| | Conductor | | Dielectric | Shield/s | Sheath/s | Weight | Voltage | Capacitance | Fixed MBR | |
| | Stranding | HSA | PTFE | SPC braid | FEP | | | | | |
| | | Nom Ø | Nom Ø | Nom Ø | Nom Ø | Nom g/m | V AC | pF/m | | |
| SM 50 | Solid | 0.16 | 0.52 | 0.80 | 1.00 | 3 | 400 | 86 | - | 300005000 |
| SMT 50 | Solid | 0.16 | 0.52 | In: 0.80 Out: 1.30 | In: 1.00 Out: 1.60 | 7 | 400 | 86 | - | 300005002 |



75 Ω

-55°C to +200°C

| Description | Construction | | | | | Properties | | | | Article Number |
|-------------|--------------|-------|------------|-----------|----------|------------|---------|-------------|-----------|----------------|
| | Conductor | | Dielectric | Shield/s | Sheath/s | Weight | Voltage | Capacitance | Fixed MBR | |
| | Stranding | HSA | PTFE | SPC braid | FEP | | | | | |
| | | Nom Ø | Nom Ø | Nom Ø | Nom Ø | Nom g/m | V AC | pF/m | | |
| SM 75 | Solid | 0.10 | 0.52 | 0.80 | 1.00 | 3 | 600 | 64 | - | 300007500 |



95 Ω

-55°C to +200°C

| Description | Construction | | | | | Properties | | | | Article Number |
|-------------|--------------|-------|------------|-----------|----------|------------|---------|-------------|-----------|----------------|
| | Conductor | | Dielectric | Shield/s | Sheath/s | Weight | Voltage | Capacitance | Fixed MBR | |
| | Stranding | SPC | PTFE | SPC braid | FEP | | | | | |
| | | Nom Ø | Nom Ø | Nom Ø | Nom Ø | Nom g/m | V AC | pF/m | | |
| SM 95 | Solid | 0.10 | 0.95 | 1.20 | 1.40 | 5 | 600 | 50 | - | 300009500 |



Electrical data

| Attenuation (dB/100m at 20°C) | | | | |
|-------------------------------|-------|--------|-------|-------|
| Frequency (MHz) | SM 50 | SMT 75 | SM 75 | SM 95 |
| 30 | 36 | 36 | 36 | 26 |
| 100 | 65 | 65 | 65 | 47 |
| 400 | 130 | 130 | 130 | 95 |
| 1,000 | 207 | 207 | 207 | 151 |
| 2,500 | 329 | 329 | 329 | 242 |

| Power (Watts at 40°C) | | | | |
|-----------------------|-------|--------|-------|-------|
| Frequency (MHz) | SM 50 | SMT 50 | SM 75 | SM 95 |
| 30 | 117 | 117 | 117 | 219 |
| 100 | 64 | 64 | 64 | 120 |
| 400 | 32 | 32 | 32 | 60 |
| 1,000 | 20 | 20 | 20 | 38 |
| 2,500 | 13 | 13 | 13 | 24 |

Identification

| Colours | | |
|--------------|-------------------|--|
| Part | Colour | Notes / Printing |
| Dielectric | Natural | |
| Outer sheath | Brown-transparent | SM ### - Habia Cable - Article No. - YYYY-Wwww - Batchcode |

Characteristics & key properties

| | | | | | | |
|--|--------------------|------------------------------|-------------------|-------------------------|--------------------|-------------------------|
| | RoHS 2011/65/EU | REACH EC No. 1907/2006 | LVD 2014/35/EU | Chemically resistant | Flame retardant | Low smoke generation |
|--|--------------------|------------------------------|-------------------|-------------------------|--------------------|-------------------------|

Data indicates nominal values in millimetres (mm) unless otherwise stated.

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice.