

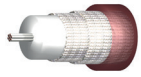
Coaxials // RGD

Double-braided variants of high temperature coaxials
Intended for use primarily as a transmission line in high frequency applications

50 Ω

-55°C to +200°C

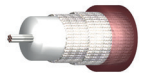
| Description | Construction | | | | | Properties | | | | Article Number |
|----------------|--------------|-------|-------------|-----------------------|-------------|------------|---------|-------------|-----------|-------------------|
| | Conductor | | Dielectric | Shield/s | Sheath/s | Weight | Voltage | Capacitance | Fixed MBR | |
| | Stranding | SPC | PTFE | SPC braid | FEP | | | | | |
| | | Nom Ø | Nom Ø | Nom Ø | Nom Ø | Nom g/m | V AC | pF/m | | |
| RGD 316 | 7 x 0.17 | 0.51 | 1.52 | In: 2.00 Out: 2.40 | 2.90 | 27 | 900 | 94 | 15 | 3000031655 |



75 Ω

-55°C to +200°C

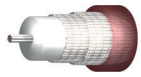
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|----------------|--------------|-------|-------------|-----------------------|-------------|------------|---------|-------------|-----------|-------------------|
| | Conductor | | Dielectric | Shield/s | Sheath/s | Weight | Voltage | Capacitance | Fixed MBR | |
| | Stranding | SPC | PTFE | SPC braid | FEP | | | | | |
| | | Nom Ø | Nom Ø | Nom Ø | Nom Ø | Nom g/m | V AC | pF/m | | |
| RGD 179 | 7 x 0.10 | 0.30 | 1.60 | In: 2.05 Out: 2.50 | 3.00 | 23 | 900 | 63 | 15 | 3000017955 |



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 | | |
| RGD 180 | 7 x 0.10 | 0.30 | 2.60 | In: 3.05 Out: 3.50 | 4.10 | 39 | 1,000 | 50 | 25 | 3000018055 |



Electrical data

| Attenuation (dB/100m at 20°C) | | | |
|-------------------------------|---------|---------|---------|
| Frequency (MHz) | RGD 179 | RGD 180 | RGD 316 |
| 30 | 15 | 12 | 15 |
| 100 | 28 | 21 | 27 |
| 400 | 56 | 43 | 54 |
| 1,000 | 86 | 69 | 86 |
| 2,500 | 144 | 112 | 139 |

| Power (Watts at 40°C) | | | |
|-----------------------|---------|---------|---------|
| Frequency (MHz) | RGD 179 | RGD 180 | RGD 316 |
| 30 | 511 | 803 | 621 |
| 100 | 280 | 440 | 340 |
| 400 | 140 | 220 | 170 |
| 1,000 | 89 | 139 | 108 |
| 2,500 | 56 | 88 | 68 |

Identification

| Colours | | |
|--------------|-------------------|---|
| Part | Colour | Notes / Printing |
| Dielectric | Natural | |
| Outer sheath | Brown-transparent | RGD ### M - 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.