

83264 Coax - 75 Ohm Coax

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|  |  | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> |
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Description:

30 awg stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (94% coverage), FEP jacket

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--|
| Number of Coax | 1 |
| Total Number of Conductors | 1 |
| RG Type | 179/U |
| AWG | 30 |
| Stranding | 7x38 |
| Conductor Diameter | .012 in. |
| Conductor Material | SPCCS - Silver Plated Copper Covered Steel |

INSULATION:

| | |
|--------------------------------|---------------------------|
| Insulation Material Trade Name | Teflon® |
| Insulation Material | TFE - Tetrafluoroethylene |
| Insulation Diameter | .062 in. |

OUTER SHIELD:

| | |
|-------------------------|----------------------------|
| Outer Shield Type | Braid |
| Outer Shield Material | SPC - Silver Plated Copper |
| Outer Shield % Coverage | 94.2 % |

OUTER JACKET:

| | |
|-----------------------|--------------------------------------|
| Outer Jacket Material | FEP - Fluorinated Ethylene Propylene |
|-----------------------|--------------------------------------|

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .100 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|-----------------|
| Operating Temperature Range | -70°C To +200°C |
| Non-UL Temperature Rating | 200°C |
| Bulk Cable Weight | 10 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 19 lbs. |
| Min. Bend Radius (Install) | 1 in. |

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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|--------------|
| EU CE Mark (Y/N) | No |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |
| Military Specification | M17/94-RG179 |

FLAME TEST:

| | |
|---------------|------|
| UL Flame Test | VW-1 |
|---------------|------|

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|---|--------------------|
| Nom. Characteristic Impedance | 75 Ohms |
| Nom. Inductance | .10 μ H/ft |
| Nom. Capacitance Conductor to Shield | 19.5 pF/ft |
| Nominal Velocity of Propagation | 69.5 % |
| Nominal Delay | 1.4 ns/ft |
| Nom. Conductor DC Resistance @ 20 Deg. C | 244.0 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20°C | 8.5 Ohms/1000 ft |

Nom. Attenuation :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Nom. Attenuation (dB/100 ft.) |
|-------------|-----------------|-----------------------|----------------------|-------------------------------|
| | 1 | | | 3.0 |
| | 10 | | | 5.3 |
| | 50 | | | 8.5 |
| | 100 | | | 10.0 |
| | 200 | | | 12.5 |
| | 400 | | | 16.0 |
| | 700 | | | 19.7 |
| | 900 | | | 22.3 |
| | 1000 | | | 24.0 |

Max. Power Rating :

| Description | Frequency (MHz) | Start Frequency (MHz) | Stop Frequency (MHz) | Max. Power Rating (W) |
|-------------|-----------------|-----------------------|----------------------|-----------------------|
| | 1 | | | |
| | 10 | | | |
| | 50 | | | 1250 |
| | 100 | | | 865 |
| | 200 | | | 599 |
| | 400 | | | 415 |
| | 700 | | | 308 |
| | 900 | | | 270 |
| | 1000 | | | 255 |

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Max. Operating Voltage - Non-UL 900 V RMS (MIL-SPEC)

NOTES:

Notes Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|---------------------------|--------------|--------------------|--------------|-------|
| 83264 001100 | 30 COAX M17/94- RG179 | 100 | 1.2 | BROWN | E |
| 83264 0011000 | #30 COAX M17/94- RG179 | 1000 | 11 | BROWN | C E |
| 83264 001500 | #30 COAX M17/94- RG179 | 500 | 5.5 | BROWN | E |

C = CRATE REEL PUT-UP.

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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