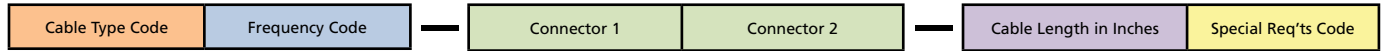




Test and Measurement Part Numbering

Example: TM18-N1N2-36-6 RF Orange Test Cable, DC-18 GHz, Type N Male Hex Knurl, Type N Female, 36 inches, Blue Polyolefin Jacket



| Frequency Code | |
|----------------|-------------|
| Code | Description |
| 4 | DC-4 GHz |
| 8 | DC-8 GHz |
| 18 | DC-18 GHz |
| 26 | DC-26.5 GHz |
| 32 | DC-32 GHz |
| 34 | DC-34 GHz |
| 40 | DC-40 GHz |
| 50 | DC-50 GHz |
| 67 | DC-67 GHz |
| 70 | DC-70 GHz |
| 110 | DC-110 GHz |

*KB32 & F520

| Special Requirements Code | |
|---------------------------|--|
| Code | Special Requirement Type |
| C | Metal dust caps with chain |
| E | Screening Test Procedure |
| H | Heavy Strain Reliefs |
| K | High Power (specify CW and peak power) |
| M | Phase/Delay Matched |
| P | Space Flight Assembly |
| R | Return loss better than published spec |
| S | Phase/amplitude better than published spec |
| T | Temperature Cycled |
| V | Molded Boot |
| 0 | Black Polyolefin Jacket |
| 1 | Clear Polyolefin Jacket |
| 2 | Red Polyolefin Jacket |
| 3 | Orange Polyolefin Jacket |
| 4 | Yellow Polyolefin Jacket |
| 5 | Green Polyolefin Jacket |
| 6 | Blue Polyolefin Jacket |
| 7 | Violet Polyolefin Jacket |
| 8 | Grey Polyolefin Jacket |
| 9 | White Polyolefin Jacket |

| Cable Type Code | |
|-----------------|---|
| Code | Description |
| TM | RF Orange® TM Series Bench Test |
| VN | VN Series VNA Test |
| SL | SiteLine™ Field & Production Test |
| KB | KillerBee™ Test Cable |
| CM | Chipset Measurement Cables |
| GR | RF Green™ Environmentally Friendly Test |
| EMC1 | EMI/EMC Test (40 GHz) |
| EMC2 | EMI/EMC Test (26.5 GHz) |
| EMC3 | EMI/EMC Test (18 GHz) |
| BT | Broadband Test 75 Ohm |
| TV | Altitude T-VAC™ Test Cable |

| Port/DUT Code | | | | | |
|---------------|---|------------------|-------|---------------------------------------|----------------------------------|
| Code | Description | Max. Freq. (GHz) | Code | Description | Max. Freq. (GHz) |
| 11 | 1mm Male | 110 | 79 | 7mm | 18 |
| 12 | 1mm Female | 110 | B1 | BNC Male | 4 |
| V1 | 1.85mm (V) Male | 70 | B2 | BNC Female | 4 |
| V2 | 1.85mm (V) Female | 70 | F1 | F Male | 3 |
| V0 | 1.85mm (V) Port Female (NMD/ruggedized) | 70 | F2 | F Female | 3 |
| VR | 1.85mm (V) Port Male (NMD/ruggedized) | 70 | N1 | Type N Male Hex Knurl | 18 |
| 21 | 2.4mm Male | 50 | N2 | Type N Female | 18 |
| 22 | 2.4mm Female | 50 | S1 | SMA Male | 26.5 |
| 20 | 2.4mm Port Female (NMD/ruggedized) | 50 | S2 | SMA Female | 26.5 |
| 2R | 2.4mm Port Male (NMD/ruggedized) | 50 | G1 | SMP Male | 40 |
| K1 | 2.92mm (K) Male | 40 | G2 | SMP Female | 40 |
| K2 | 2.92mm (K) Female | 40 | T1 | TNC Male | 18 |
| K0 | 2.92mm (K) Port Female (NMD/ruggedized) | 40 | T2 | TNC Female | 18 |
| KR | 2.92mm (K) Port Male (NMD/ruggedized) | 40 | Z1A | Quick Disconnect SMA, Male 3-lug | 18 |
| 31 | 3.5mm Male | 34 | Z2A | Quick Disconnect SMA, Female 3-lug | 18 |
| 32 | 3.5mm Female | 34 | ZN1A | Quick Disconnect Type N, Male 3-lug | 11 |
| 30 | 3.5mm Port Female (NMD/ruggedized) | 34 | ZN2A | Quick Disconnect Type N, Female 3-lug | 11 |
| 3R | 3.5mm Port Male (NMD/ruggedized) | 34 | X5 | Factory Formed Male Right Angle | *Available with most connectors* |
| D1 | 7/16 Male | 6 | X6 | Factory Formed Female Right Angle | |
| D2 | 7/16 Female | 6 | NM(X) | Non-Magnetic Connector option | |

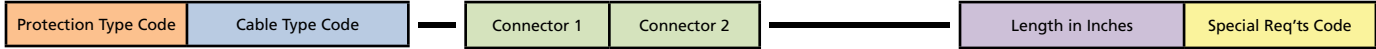
122 Banner Road, Stroudsburg, PA 18360-6433
Tel: 570-424-8400

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System Cable Part Numbering

Example: GC29-N1N1-24-6 Phase3, DC-18 GHz, Type N Male Hex Knurl, Type N Hex Knurl, 24 inches, Blue Polyolefin Jacketing



| Cable Type Code | |
|---|------------------|
| Code | Description |
| AL047 AL086 AL141 | AlumiBend™ |
| 135 230 520 620 539 | GrooveTube® |
| 912 916 919 930 | NextPhase™ |
| 9125 9165 9195 9305 | NextPhase+Plus |
| C05 C08 C11 C12 C19 C29 | Phase3™ |
| E05 E08 E12 | Ultra Phase™ |
| HfX120 HfX141 HfX090 | HyperFlex™ |
| NC12 NC19 NC29 | Survivor Series™ |
| A06 A08 | ClearPath™ |
| B08 B14 | JumpShot™ |
| SR034 SR047 SR086 SR141 SR250 | SemiRigid |

| Special Requirements Code | | | |
|---------------------------|--|------|--------------------------|
| Code | Special Requirement Type | Code | Special Requirement Type |
| C | Metal dust caps with chain | 0 | Black Jacket |
| E | Screening Test Procedure | 1 | Clear Jacket |
| H | Heavy Strain Reliefs | 2 | Red Jacket |
| K | High Power | 3 | Orange Jacket |
| M | Phase/Delay Matched | 4 | Yellow Jacket |
| P | Space Flight Assembly | 5 | Green Jacket |
| R | Return Loss/VSWR Specification | 6 | Blue Jacket |
| S | Phase/Amplitude vs. Flexure Specifications | 7 | Violet Jacket |
| T | Temperature Cycled | | |
| V | Molded Boot | | |

Colors listed below are available in Polyolefin Jacketing (packaging Types C, D, TM, and SF).

| Connector Code | | | | | | | | |
|----------------|-----------------|------------------|------|-------------|------------------|------|-------------------------------------|------------------|
| Code | Description | Max. Freq. (GHz) | Code | Description | Max. Freq. (GHz) | Code | Description | Max. Freq. (GHz) |
| 11 | 1.0mm Male | 110 | M1 | MCX Male | 6 | SS1 | SSMA Male | 18 |
| 12 | 1.0mm Female | 110 | M2 | MCX Female | 6 | SS2 | SSMA Female | 18 |
| V1 | 1.85mm Male | 70 | MM1 | MMCX Male | 4 | JS1 | SSMB Male | 18 |
| V2 | 1.85mm Female | 70 | MM2 | MMCX Female | 4 | JS2 | SSMB Female | 18 |
| 21 | 2.4mm Male | 50 | N1 | N Male | 18 | GS1 | SSMP Male | 15 |
| 22 | 2.4mm Female | 50 | N2 | N Female | 18 | GS2 | SSMP Female | 15 |
| K1 | 2.92mm Male | 40 | Q1 | OSP Male | 22 | T1 | TNC Male | 18 |
| K2 | 2.92mm Female | 40 | Q2 | OSP Female | 22 | T2 | TNC Female | 18 |
| 31 | 3.5mm Male | 34 | QS1 | OSSP Male | 28 | Z1A | Quick Disconnect SMA, Male 3-lug | 18 |
| 32 | 3.5mm Female | 34 | QS2 | OSSP Female | 28 | Z2A | Quick Disconnect SMA, Female 3-lug | 18 |
| D1 | 7/16 DIN Male | 6 | QM1 | QMA Male | 6 | ZN1A | Quick Disconnect Type N, Male 3-lug | 11 |
| D2 | 7/16 DIN Female | 6 | QM2 | QMA Female | 6 | ZN2A | Quick Disconnect Type N, Male 3-lug | 11 |
| 79 | 7mm (APC-7) | 18 | SC1 | SC Male | 10 | X3 | Male 90 Degree Right Angle* | 18 |
| B1 | BNC Male | 4 | S1 | SMA Male | 26.5 | X5 | Factory Formed Male Right Angle** | |
| B2 | BNC Female | 4 | S2 | SMA Female | 26.5 | X6 | Factory Formed Female Right Angle** | |
| C1 | C Male | 10 | J1 | SMB Male | 36 | XB | Bulkhead** | |
| C2 | C Female | 10 | J2 | SMB Female | 36 | | | |
| F1 | F Male | 3 | A1 | SMC Male | 12.4 | | | |
| F2 | F Female | 3 | A2 | SMC Female | 12.4 | | | |
| H1 | HN Male | 4 | G1 | SMP Male | 65 | | | |
| H2 | HN Female | 4 | G2 | SMP Female | 65 | | | |

*Available with most cables
**Available with most connectors

| Protection Code | | |
|-----------------|----------------------------------|--|
| Code | Description | Remarks |
| A | No Jacket | Standard Strength; Heat Dissipation |
| B | Braid Only | Moderate Strength; Heat Dissipation |
| C | Polyolefin Jacket | System Use; Standard Strength |
| D | Polyolefin Jacket Over Braid | Standard; Test & System Use |
| E | Neoprene Jacket | Outdoor Use; Environmental Protection |
| F | Neoprene Jacket Over Braid | Type 130,135 & 230 Standard; Moderate Strength; Heat Dissipation |
| G | FEP Jacket | Space; Low Outgassing |
| H | FEP Jacket Over Braid | Moderate Strength; Low Outgassing |
| J | Polyethylene | Outdoor Use; Environmental Protection |
| K | Nomex Braid | Airborne or Plenum Use |
| L | Nomex Over Metallic Braid | Moderate Strength; Airborne or Plenum Use |
| O | Viton Jacket | Space; Radiation Protection; NBCW |
| P | Viton Jacket Over Metallic Braid | Moderate Strength; Radiation Resistant; NBCW |
| R | Teflon Tape Wrap Jacket | High Flexibility |
| U | Polyurethane Jacket | Exterior UV and High Abrasion Resistance |
| N | Light Metallic Armor | For applications requiring added protection against mechanical damages |
| X | Tefzel (ETFE) | Space; Low Outgassing; Radiation Resistance |

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