

| Specifications | rearTWIST & rearTWIST Large & Cable Jack Panel | rearTWIST Tiny & Cable Jack Tiny | Bulkheads & Coupler |
|----------------|---|--|---------------------------|
|----------------|---|--|---------------------------|

Electrical

| | | | | |
|---------------------------------|-------------------------------|---|------------------------------|------------------------------|
| Impedance | 75 Ω | ● | ● | ● |
| Rated voltage | 500 V ac rms | ● | 250 V ac rms | ● |
| Insulation resistance | > 5 GΩ | ● | ● | ● |
| Dielectric withstanding voltage | 1500 V ac rms | ● | 750 V ac rms | ● |
| VSWR / Return Loss | ≤ 1.050 / > 32 dB up to 1 GHz | ● | ≤ 1.10 / > 26 dB up to 1 GHz | ≤ 1.03 / > 37 dB up to 1 GHz |
| | ≤ 1.065 / > 30 dB up to 2 GHz | ● | ≤ 1.14 / > 24 dB up to 2 GHz | ≤ 1.05 / > 32 dB up to 2 GHz |
| | ≤ 1.100 / > 26 dB up to 3 GHz | ● | ≤ 1.22 / > 20 dB up to 3 GHz | ≤ 1.08 / > 28 dB up to 3 GHz |
| Inner contact resistance | ≤ 3 mΩ (initial) | ● | ● | ● |
| Outer contact resistance | ≤ 2 mΩ (initial) | ● | ● | ● |

Mechanical

| | | | | |
|--------------------------|---------------------|-----------|-----------|-------|
| Cable anchoring | Jacket crimping | ● | ● | N / A |
| Cable O.D. range | mm | 4.0 - 7.7 | 2.5 - 3.8 | N / A |
| - Rear Twist Large | | 10.3 | - | - |
| Center contact retention | > 30 N | ● | ● | - |
| Engagement force | < 25 N | ● | ● | ● |
| Lifetime | 1'000 mating cycles | ● | ● | ● |

Material

| | | | | |
|---|--|-------|-------|---------|
| Shell: Brass (CuZn39Pb3), Optalloy coated | | ● | ● | ● |
| PA6 (Push Pull only) | | N / A | N / A | N / A |
| D-Shape housing: Zinc diecast (ZnAl4Cu1) gal Ni or black Cr platin | | N / A | N / A | NBB75D* |
| Ground contact: | | | | |
| Bronze (CuSn6), 0.2 μm AuCo over 2 μm NiP15 | | ● | ● | - |
| Brass (CuZn39Pb3), OPTALLOY coated | | - | - | ● |
| Center contact: | | | | |
| Brass (CuZn35Pb2), 0.2 μm AuCo or | | ● | ● | - |
| Brass (CuZn39Pb3), 0.2 μm AuCo | | - | - | ● |
| Insulator: Teflon PTFE | | ● | ● | ● |
| Chuck: Polyacetal POM | | N / A | N / A | N / A |
| Insulation Shell: Polyacetal POM | | N / A | N / A | ● |

Environmental

| | | | | |
|----------------------|--|---|---|-------|
| Temperature range | -30°C to +85°C | ● | ● | ● |
| Solderability | Complies with IEC 68-2-20 | ● | ● | N / A |
| Contact crimpability | Complies with IEC 60803 and IEC 60352-2 | ● | ● | N / A |

Center Contact

| I.D. in mm | Materials | Plating | Coding Ring (# of rings on base of contact) |
|------------|-------------------|-----------|---|
| 0.4 | Brass (CuZn39Pb3) | 2 μm AuCo | 0 |
| 0.5 | ● | ● | 5 |
| 0.6 | ● | ● | 1 |
| 0.7 | ● | ● | 2 |
| 0.9 | ● | ● | 3 |
| 1.1 | ● | ● | 6 |
| 1.2 | ● | ● | 4 |
| 1.7 | ● | ● | 0 |
| 1.4 | ● | ● | 5 |

