

SYWV-75-2-1-16

Ultra Low Loss Coax Cable

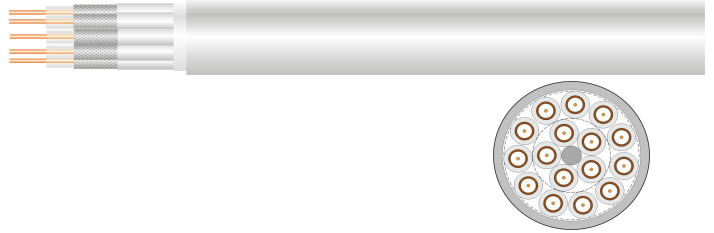
Ver A/0 Release Date Match, 2015



P/N:5391W

Features&Benefits

- 80%Vp FPE+CCA shield
- Ultra-low loss
- Equivalent to
- Replace to



Construction Specification

| | Description | Size (mm) | Tol. | Materials |
|---|---------------------------|-----------|-------|---|
| 1 | Center conductor | 0.254 | ±0.01 | Solid Bare Copper Wire |
| 2 | Dielectric | 1.15 | ±0.10 | Foam PE |
| 3 | Outer conductor | 1.60 | ±0.05 | Copper Clad Aluminum |
| 4 | Jacket Print Cable Number | 2.10 | ±0.10 | PVC Light Gray(Rohs2.0) |
| 5 | Outer Braiding | 9.50 | ±0.20 | Ripcord(Padding 1.50 mm PP wire in the middle 5 + 11 = 16) + PET tape |
| 6 | Jacket | 11.50 | ±0.30 | PVC Light Gray(Rohs2.0) |

Mechanical&Environmental Specifications

| | |
|---|---------|
| Bend Radius:installation (mm) | 5.5 |
| Bend Radius:repeated (mm) | 21 |
| Max.Pulling Tension (N) | 44 |
| Weight (g/m) | N/A |
| Temp, Operating&Installation (°C) | -20~+70 |
| Crush resistance of cable (load of 700N)(%) | N/A |

RoHS Guideline

| | |
|--------------------------------------|--------|
| Cadmium content (Cd) | <0.01% |
| Lead content (Pb) | <0.1% |
| Mercury content (Hg) | <0.1% |
| Chromium (VI) content | <0.1% |
| Polybrominated Biphenyls (PBB) | <0.1% |
| Polybrominated Diphenyl Ether (PBDE) | <0.1% |

Electrical Specifications

| | | | |
|-------------------------------|------|------------------------------|-------|
| Characteristic Impedance(ohm) | 75±3 | Dielectric Strength(V DC) | 3500 |
| Capacitance(pF/m) | 55 | Insulation resistance(MΩ·km) | > 500 |
| Velocity ratio(%) | 80 | Peak Power(KW) | 0.03 |
| DCR: Inner Conductor(ohm/km) | <376 | Shielding Effectiveness(dB) | >30 |
| DCR: Outer Conductor(ohm/km) | <110 | Shields Coverage(%) | 85±3 |
| Jacket Sparker(V RMS) | N/A | SWR 30-6000 MHz | N/A |

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

| | | | | | | | | |
|---------------|------|-------|-------|-------|-------|-------|-------|-------|
| Frequency MHz | 5 | 10 | 50 | 100 | 200 | 300 | 400 | 500 |
| dB/100 m | 8.80 | 12.50 | 28.00 | 39.00 | 56.00 | 69.00 | 80.00 | 90.00 |

Maximum attenuation is 10% higher.

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