



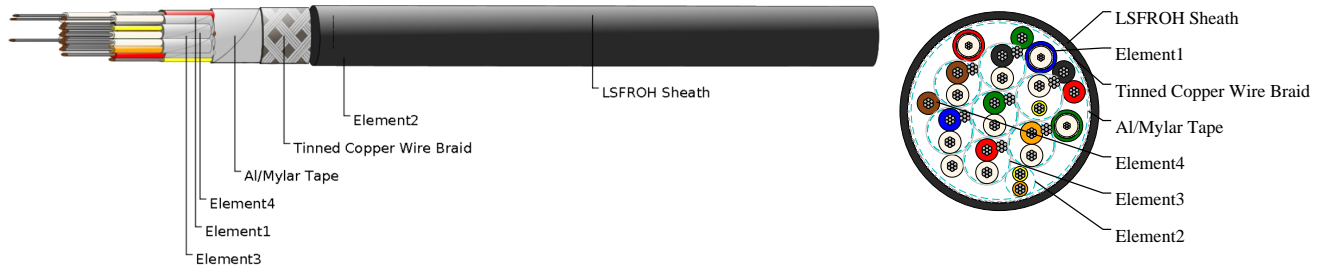
Caledonian

Composite Cables

www.caledonian-cables.com

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DVI Analog Cable(3 Coax, 7Pair+1Pair+5C)



FIRE PERFORMANCE

Vertical flame propagation for a single insulated wire or cable	EN 50265-2-1; IEC 60332-1-2; NF C 32-070 2.1 (C2)
Vertical flame spread of vertically mounted bunched wires or cables	EN 50266-2-4; EN 50305; IEC 60332-3-24; NF C 32-070 2.2 (C1); VDE 0472 Teil 804
Low Smoke Emission	EN 50268-2; IEC 61034-2; NF C 32-073 ;NF C 20-902; NF F 16 101; VDE 0472 Teil 816
Halogen Free	EN 50267-2-1; IEC 60754-1; NF C 32-074; NF C 20-454; VDE 0472 Teil 815
Low Corrosivity (Acidity & Conductivity)	EN 50267-2-2/3; IEC 60754-2; NF C 32-074; NF C 20-453; VDE 0472 Teil 813
Low Toxicity	EN 50305; NF X 70-100; NF F 63 808; TM1-04; BS6853
Smoke Index	NF F 63 808; BS6853; NF F 16 101
Fire Performance Relating to Rolling Stock Application	DIN 5510-2;BS 6853;NF F16 101;NF F 63 808

CABLE CONSTRUCTION

Element 1: 3 Coaxial(Cu/S.S. cell/TC Braid+ PVC)

Conductor: Stranded annealed tinned copper wire, 30AWG(7/38AWG)

Insulation: S.S. cell. Thickness 0.505mm. Outer diameter 1.3+0.075m

Shield: Tinned copper braid, 0.1mm, 90% coverage

Sheath: PVC, Thickness 0.219mm. Outer diameter 2.15mm

Sheath Color :Green/Blue/Red

Element 2: 1PRx28AWG(7/36AWG) Stranded TC/Foam PE+Skin

Conductor: Stranded annealed tinned copper wire, 7/36AWG

Insulation: High density polyethylene. Thickness 0.15mm. Outer diameter 0.7+0.05mm

Insulation Color: Yellow and orange

Twisting: The cores shall twisted together in pair, the lay between each twist shall not exceed 100 mm,Outer diameter 1.4mm

Element 3: 47Rx28AWG(7/36AWG) Stranded TC/Foam PE+Skin



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Conductor: Stranded annealed tinned copper wire, 7/36AWG

Insulation: Foam PE+Skin. Thickness 0.25mm. Outer diameter 0.98+0.05mm

Insulation Color: 1PR=White/Brown, 2PR=White/Red, 3PR=White/Green, 4PR=White/Blue, 5PR=White/Black
6PR=White/Yellow, 7PR=White/Orange

Individual Shield: Aluminum/ mylar laminated tape applied with the metallic side down in electrical contact with a 28AWG tinned copper drain wire (7 strands formation). A 23 micron mylar tape is applied over the screening tape with a minimum 25% overlap.

Element 4: 5Cx28AWG(7/36AWG) Stranded TC/PE

Conductor: Stranded annealed tinned copper wire, 7/36AWG

Insulation: High density polyethylene. Thickness 0.12mm. Outer diameter 0.7+0.05mm

Insulation Color: Black/Brown/Red/Green/White

Element Assembly

Overall Screen: Aluminum/ mylar tape

Braid Shield: Braid of tinned copper wire. 24x10x0.12mm

Outer Sheath: LSFROH elastomeric sheath, Thickness 0.51mm. Outer diameter 9.5+0.2mm, other material is optional

Sheath Color: Black or as per the client's requirement

PHYSICAL AND THERMAL PROPERTIES

Physical Characteristic:

Temperature rating: -25°C to +80°C

Minimum bending radius: 3 x Overall Diameter

Electrical Properties

Rated voltage: 30V

Max conductor resistance at 20°C: 28AWG ≤ 237 Ohm/Km

30AWG ≤ 376 Ohm/Km

Min insulation resistance: $\geq 100M$ Ohm/m

Nom. differential impedance: Pairs 100+15 Ohm

Coaxial 75 Ohm