



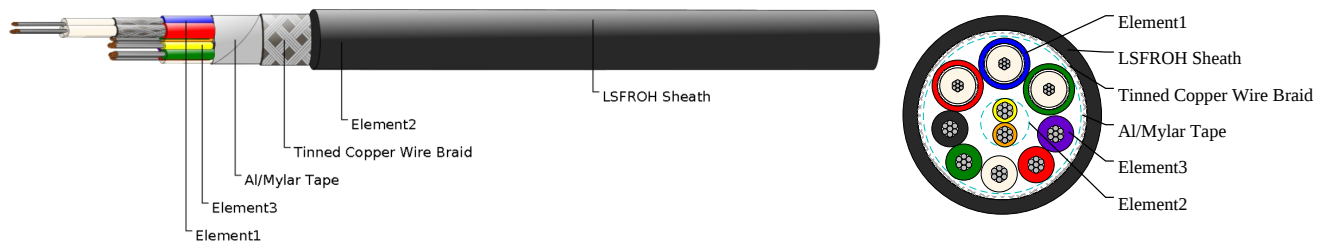
Caledonian

Composite Cables

www.caledonian-cables.com

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DVI Analog Cable(3 Coax, 1 Pair+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+0.07mm

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: 5C×28AWG(7/36AWG) Stranded TC/PE



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

Insulation: High density polyethylene. Thickness 0.15mm. Outer diameter 0.7+0.03mm

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

Element Assembly

Overall Screen: Aluminum/ mylar tape

Braid Shield: Braid of tinned copper wire. Coverage $\geq 85\%$

Outer Sheath: LSFROH elastomeric sheath, Thickness 0.87mm. Outer diameter 7.3+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 $+80^{\circ}\text{C}$

Minimum bending radius: 3 x Overall Diameter

Electrical Properties

Rated voltage: 30V

Max conductor resistance at 20°C : $\leq 237 \text{ Ohm/Km}$

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

Spark test: Min. AC 500V/0.15second

Nom. differential impedance: $100 \pm 5 \text{ Ohm}$

Mutual capacitance: 46pF/m