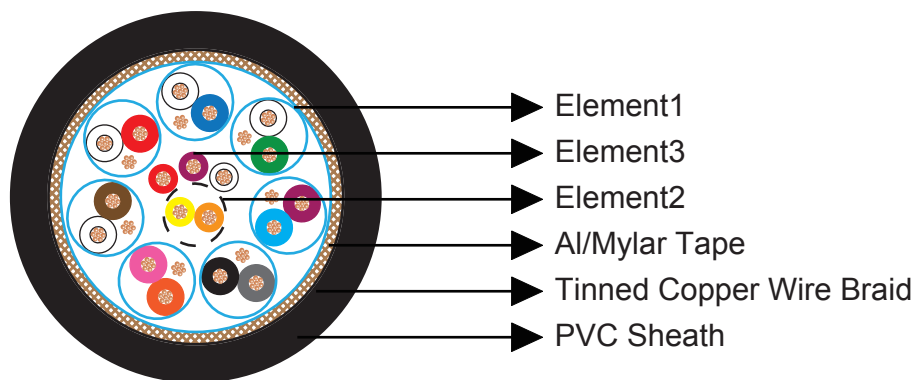




DVI Digital Dual Link Cable(8 Pair + 3c)

Construction:



Element 1: 7PR×28AWG(Cu/S.S. cell/Individual Al-mylar Screen+ TC Drain Wire)

Conductor	Stranded annealed tinned copper wire, 7/36AWG
Insulation	S.S. cell. Thickness 0.305mm. Outer diameter 0.98±0.05mm
Core Identification	1PR=White/Green; 2PR=White/Blue, 3PR=White/Red; 4PR=White/Brown, 5PR=Pink/Orange, 6PR=Black/Grey, 7PR=Light Blue/Purple
Twisting	The cores shall twisted together in pair, the lay between each twist shall not exceed 100 mm
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 2: 1PR×28AWG(7/36AWG) Stranded TC/PE

Conductor	Stranded annealed tinned copper wire, 7/36AWG
Insulation	High density polyethylene. Thickness 0.165mm. Outer diameter 0.7±0.03mm
Insulation Color	Yellow and orange
Twisting	The cores shall twisted together in pair, the lay between each twist shall not exceed 100 mm



Composite Cables

Element 3: 3C×28AWG(7/36AWG) Stranded TC/PE

Conductor	Stranded annealed tinned copper wire, 7/36AWG
Insulation	High density polyethylene. Thickness 0.165mm. Outer diameter 0.7±0.03mm
Insulation Color	Red/Purple/White

Element Assembly

Overall Screen	Aluminum/ mylar tape
Braid Shield	Braid of tinned copper wire. Coverage ≥ 85%
Outer Sheath	LSFROH elastomeric sheath, Thickness 0.97mm. Outer diameter 8.6 +0.2mm, other material is optional
Sheath Color	Black or as per the client's requirement

Physical Properties:

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: ≤237 Ohm/Km

Min insulation resistance: ≥100M Ohm/m

Spark test: Min. AC 500V/0.15second

Nom. differential impedance: 100±5 Ohm

Mutual capacitance: 46pF/m

Fire Performance in General:

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

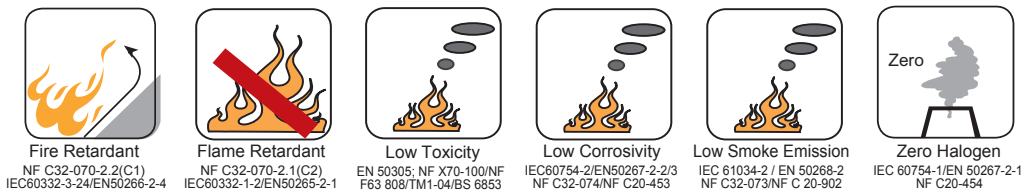
Fire Performance Relating to Rolling Stock Application:

DIN 5510-2

BS 6853

NF F16 101

NF F 63 808



* The data included in the present catalogue are merely indicative; Caledonian Cables Limited reserves to itself the right to change them as its own discretion in any time.