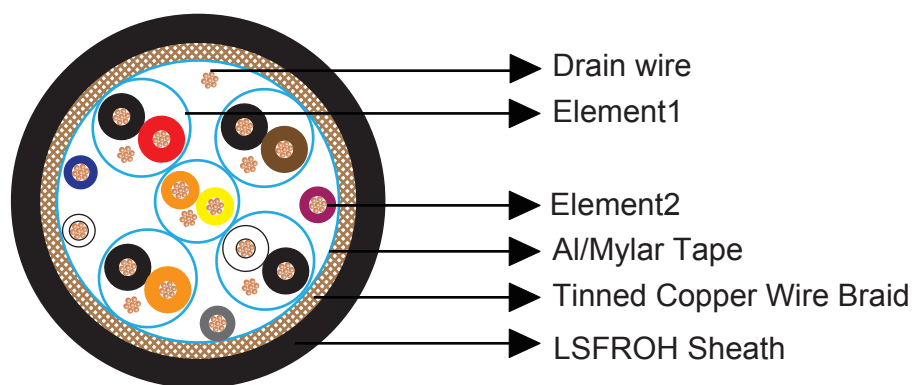




HDMI Bulk Cable(5 Pairs + 4 Conductors)

Construction:



Element 1: 5PR×30AWG(Cu/Foam Skin/Individual Al-mylar Screen+ TC Drain Wire)

Conductor	Stranded bare copper wire, 30AWG(7/38AWG)
Insulation	Foam skin. Thickness 0.235mm. Outer diameter 0.76±0.05mm
Core Identification	1PR=Black/White; 2PR=Black/Brown, 3PR=Black/red; 4PR=Black/Orange
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 30AWG 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: 4C×30AWG(7/38AWG) Stranded TC/PP

Conductor	Stranded bare copper wire, 30AWG(7/38AWG)
Insulation	PP. Thickness 0.13mm. Outer diameter 0.55±0.05mm
Insulation Color	Blue, Green, Violet, Grey and White



Element Assembly

Overall Screen	Aluminum/ mylar tape
Braid Shield	Braid of tinned copper wire. Coverage $\geq 90\%$
Outer Sheath	LSFROH elastomeric sheath, Thickness 1.0mm. Outer diameter 6.5+0.5mm, other material is optional
Sheath Color	Black or as per the client's requirement

Physical Properties:

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 : ≤ 376 Ohm/Km

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

Spark test: Min. AC 500V/0.15second

Nom. differential impedance: 100 ± 5 Ohm

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



Composite Cables

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

EN 45545-2



Fire Retardant
NF C32-070-2.2(C1)
IEC60332-3-24/EN50268-2-4



Flame Retardant
NF C32-070-2.1(C2)
IEC60332-1-2/EN50265-2-1



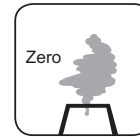
Low Toxicity
EN 50305; NF X70-100/NF
F63 808/TM1-04/BS 6853



Low Corrosivity
IEC60754-2/EN50267-2-2/3
NF C32-074/NF C20-453



Low Smoke Emission
IEC 61034-2 / EN 50268-2
NF C32-073/NF C 20-902



Zero Halogen
IEC 60754-1/EN 50267-2-1
NF C20-454

* 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.