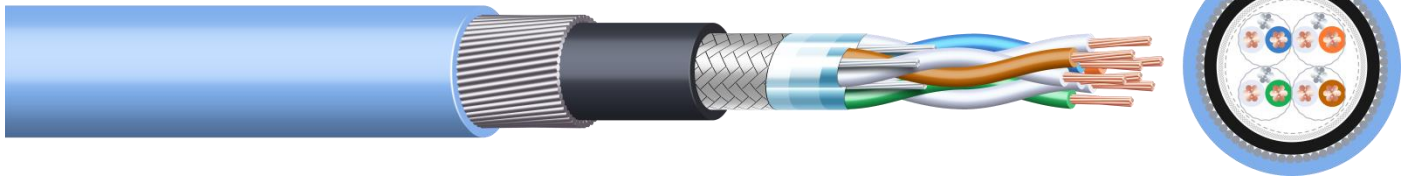




# Steel Wire Armour Protected 0.50mm<sup>2</sup> 4 Pair Flame Retardant Cable for RS422/RS485 Applications



Not to scale. For illustrative purposes only. Stranding & proportion may vary.

**Drawing No** LCM180516A-V1  
**Date** 16/05/2018  
**Design** RS422/RS485

## Identification

### Pair Colours

- 1 x White / Blue Pair
- 1 x White / Orange Pair
- 1 x White / Brown Pair
- 1 x White / Green Pair

## Construction

0.5mm<sup>2</sup> Stranded Tinned Annealed Copper Conductor  
(7/0.30 Class 2 to IEC 60228)

Extruded HR-PVC Insulation  
(Heat Resistant Polyvinyl Chloride)

2 Cores Paired Up and Taped with Aluminium/Polyester  
Screen in contact with Tinned Copper Drain Wire

4 Pairs Laid Up and Taped with Polyester (Melinex®/  
Mylar®) Tape

Tinned Annealed Copper Braid Screen

RP-PVC Inner Sheath  
(Reduced Propagation Polyvinyl Chloride)  
Colour: Black

Galvanised Steel Wire Armour

RP-PVC Outer Sheath  
(Reduced Propagation Polyvinyl Chloride)  
Colour: Light Blue

## Nominal Dimensions

Conductor Cross Sectional Area	0.50	mm <sup>2</sup>
Conductor Stranding	7/0.30	mm
Conductor Diameter	0.90	mm
Radial Thickness of Insulation	0.60	mm
Diameter over Insulation	2.10	mm
Diameter over Screened Pair	4.40	mm
Diameter over Taped Lay Up	9.52	mm
Diameter of Braid Wire	0.20	mm
Diameter over Braid	10.52	mm
Radial Thickness of Inner Sheath	0.80	mm
Diameter over Inner Sheath	12.12	mm
Diameter of Armour Wire	0.90	mm
Diameter over Armour	13.92	mm
Radial Thickness of Outer Sheath	1.50	mm
Diameter over Inner Sheath	16.92	mm

