



**SCREENED DEFENCE COMMUNICATION CABLE**

Defence communication cable reference

12 orderable sizes

<b>STANDARD</b> Defence communication cable reference	<b>VOLTAGE CLASS</b> Signal and data circuit	<b>CONDUCTOR</b> Tinned copper signal conductor
<b>INSULATION / JACKET</b> LSZH, PUR or PE defence outer sheath		

**Construction**

- 1 ■ **Conductor (per core)** – Tinned copper signal conductor · 16 × Ø0.13 mm · IEC 60228 cl.5
- 2 ■ **Pair insulation** – PE, XLPE or LSZH signal insulation
- 3 ■ **Individual screen (IS)** – Al/polyester foil + tinned-copper drain
- 4 ■ **Filler** – Bedding / filler
- 5 ■ **Overall screen (OS)** – Al/polyester foil + drain
- 6 ■ **Sheath** – LSZH, PUR or PE defence outer sheath

**Size selection — all available cross-sections**

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 1 pair screened twisted pair 0.22 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	1 pair screened twisted pair	0.22 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	11.2 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 1 pair screened twisted pair 0.34 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	1 pair screened twisted pair	0.34 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	11.5 mm

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 1 pair screened twisted pair 0.5 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	1 pair screened twisted pair	0.5 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	11.7 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 2 pair screened twisted pair 0.22 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	2 pair screened twisted pair	0.22 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	12.1 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 2 pair screened twisted pair 0.34 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	2 pair screened twisted pair	0.34 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	12.3 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 2 pair screened twisted pair 0.5 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	2 pair screened twisted pair	0.5 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	12.5 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 4 pair screened twisted pair 0.22 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	4 pair screened twisted pair	0.22 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	13.3 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 4 pair screened twisted pair 0.34 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	4 pair screened twisted pair	0.34 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	13.5 mm
Defence communication screened pair cable Command, control and signal communication	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	4 pair screened twisted pair	0.5 mm <sup>2</sup>	100 Ω to 120 Ω signal reference	Foil screen with drain wire and	EMI controlled indoor/outdoor equipment route	13.7 mm

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Shelter, vehicle and fixed defence equipment 4 pair screened twisted pair 0.5 mm <sup>2</sup>		defence equipment			by protocol	optional braid		
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 8 pair screened twisted pair 0.22 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	8 pair screened twisted pair	0.22 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	15.0 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 8 pair screened twisted pair 0.34 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	8 pair screened twisted pair	0.34 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	15.2 mm
Defence communication screened pair cable Command, control and signal communication Shelter, vehicle and fixed defence equipment 8 pair screened twisted pair 0.5 mm <sup>2</sup>	Command, control and signal communication	Shelter, vehicle and fixed defence equipment	8 pair screened twisted pair	0.5 mm <sup>2</sup>	100 Ω to 120 Ω signal reference by protocol	Foil screen with drain wire and optional braid	EMI controlled indoor/outdoor equipment route	15.4 mm