



Shown here is the most popular size Modbus cable, it is based on Belden 9841 but has a thicker jacket to ensure correct termination into the Modbus connectors. Modbus cables with larger conductors &/or multi-pair versions may be available on request

B9841 cable (equivalent to Belden 9841) may be used in Modbus systems but due to the smaller outer diameter they may not fit in certain connectors.

LSF offers reduced fumes if burnt and LSZH provides further increased safety in the case of fire.

Construction

- 24AWG stranded tinned copper conductors
- polyethylene (PE) core insulation
- collective aluminium/polyester foil tape (CAT)
- screen with tinned copper drain wire
- overall tinned copper wire braid (TCWB) screen
- grey polyvinylchloride (PVC), low smoke & fume (LSF) or low smoke zero halogen (LSZH) sheath

Technical

conductor stranding:	24AWG = 7x 0.2mm diameter (0.22mm ² area)
voltage rating:	300V operating
temperature rating:	-40°C to +60°C
core identification:	coloured blue/white & white/blue

Cable Type, (no. of pairs & conductor AWG)	Comparable Belden Ref.	Cable Overall	
		Diameter (mm)	Weight (kg/km)
B9841 (1x2x24)	9841	5.8	64
Modbus (1x2x24)	YM29560	6.7	63

Belden numbers are provided for cross reference purposes only, please inform us if you require Belden manufacture.

PVC, LSF or LSZH Properties: fairly tough & flexible materials resistant to a wide range of oils & chemicals. The primary difference between them is the levels of toxic chemicals produced in the case of a fire.

Standard PVC (polyvinylchloride) will emit around 28% HCL (hydrogen chloride) if burnt.

LSF (low smoke & fume) offers reduced smoke emission compared with standard PVC, however there is no standard governing the HCL emissions of LSF so it may still be hazardous if burnt.

LSZH, LSOH, LSHF (low smoke zero halogen/halogen free) guarantees max. 0.5% HCL emissions if burnt.

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