



Alternatives to Belden manufacture these data cables are designed to provide low capacitance, high speed data transmission and are suitable for RS485 applications. The foil and braid screens ensure excellent protection against electrical interference.

Some sizes available in versions including:
LSZH (low smoke zero halogen) = fire safety
PE (polyethylene) = duct grade
SWA (steel wire armour) = direct burial.

Construction

24AWG stranded tinned copper conductors with polyethylene (PE) insulation, twisted into pairs
overall aluminium/polyester foil tape screen with tinned copper drain wire
overall tinned copper wire braid (TCWB) screen
grey polyvinylchloride or low smoke & fume (PVC/LSF) outer sheath

Technical

conductor stranding:	7x 0.2mm diameter (0.227mm ² area)
rated voltage:	300V or 600V
capacitance:	42pF/m core/core, 76pF/m core/shield
temperature range:	usually -20°C to +70°C, please check if critical
UL style:	2919
core identification:	coloured according to Western Electrical code
	9841 may be available with black & white cores on request

Comparable Belden Reference	Number of Pairs	Overall Diameter (mm)	Overall Weight (kg/km)	Comparable Belden Reference	Number of Pairs	Overall Diameter (mm)	Overall Weight (kg/km)
9841	1	5.8	63	9843	3	9.2	108
9842	2	8.6	95	9844	4	9.9	125

Belden numbers & UL references are provided for cross reference purposes only, please inform us if you require Belden manufacture or UL approved cables.

PVC/LSF Properties: fairly tough & flexible materials resistant to a wide range of oils and chemicals. LSF (low smoke & fume) offers reduced smoke emission compared with standard PVC (polyvinylchloride), however there is no standard governing the hydrogen chloride (HCL) emissions of LSF so it may still be hazardous if burnt. LSF must not be confused with LSZH (low smoke zero halogen) which guarantees max. 0.5% HCL emissions.

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