

Alternatives to Belden manufacture these flexible low capacitance data cables are widely used in CAD/CAM applications or where low signal distortion is required. The excellent screening allows high data rates to run over long distances for RS232 & RS423 connections.

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

Construction

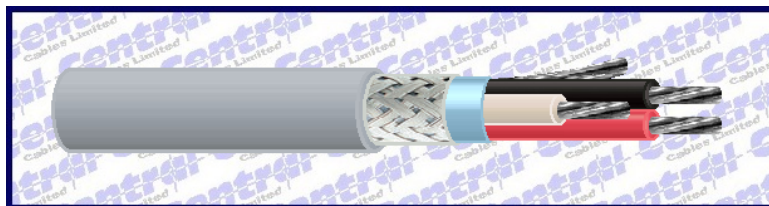
24AWG stranded tinned copper conductors
foam polyolefin (PO) insulation
cores twisted together
overall aluminium/polyester foil tape screen with
tinned copper drain wire
overall tinned copper wire braid (TCWB) screen
grey polyvinylchloride or low smoke & fume
(PVC/LSF) outer sheath

Technical

conductor stranding:	7x 0.2mm diameter (0.227mm ² area)
rated voltage:	300V or 600V
capacitance:	40pF/m core/core, 72pF/m core/shield
temperature range:	usually -20°C to +70°C, please check if critical
UL style:	2919
core identification:	3-10 cores = coloured to American Data Chart 1 15+ cores = coloured to American Data Chart 2

Comparable Belden Reference	Number of Cores	Overall Diameter (mm)	Overall Weight (kg/km)
9925	3	5.5	38
9927	4	5.8	45
9929	5	6.3	51
9931	6	6.7	58
9932	7	6.8	62
9933	8	7.1	68
9934	9	7.6	77

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



Comparable Belden Reference	Number of Cores	Overall Diameter (mm)	Overall Weight (kg/km)
9935	10	7.8	83
9936	15	8.9	107
9937	25	11.3	165
9938	37	12.7	207

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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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