

Alternatives to Belden manufacture these data cables are flexible and recommended for long runs due to reduced losses, suitable for instrumentation, computer, audio & monitoring applications. The individual screens reduce cross-talk between pairs.

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

Construction

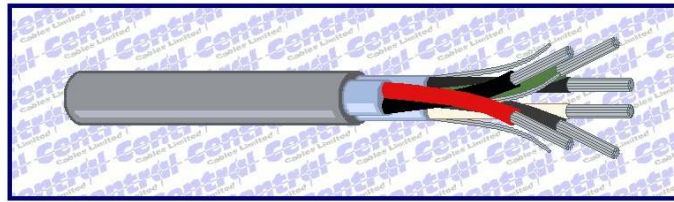
- stranded tinned copper conductors
- core insulation material varies
- cores twisted into pairs
- individual aluminium/polyester foil tape screens with tinned copper drain wires
- grey polyvinylchloride or low smoke & fume (PVC/LSF) outer sheath

Technical

conductor stranding:	20AWG = 7x 0.32mm diameter (0.563mm ² area) 18AWG = 19x 0.25mm diameter (0.96mm ² area)
insulation material:	9368 & 9402 = PVC/LSF, all others = polypropylene (PP)
voltage rating:	300V operating
capacitance:	9402 = 180pF/m core/core, 312pF/m core/shield 9368 = 187pF/m core/core, 335pF/m core/shield all others = 98pF/m core/core, 180pF/m core/shield
nominal impedance:	45 Ohms
temperature range:	usually -20°C to +70°C, please check if critical
UL style:	2 pair = 2464, all others = 2919
core identification:	9402 = coloured red & black, green & white 9368 = numbered red & black pairs all others = coloured to American Chart 3

Comparable Belden Reference	Number of Pairs	Conductor Size (AWG)	Overall Diameter (mm)	Overall Weight (kg/km)
9368	2	18	9.6	103
9773	3	18	10.3	139
9774	6	18	14.3	180

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 Pairs	Conductor Size (AWG)	Overall Diameter (mm)	Overall Weight (kg/km)
9402	2	20	7.6	76
9873	3	20	8.4	104
9874	6	20	10.9	182
9875	9	20	13.6	270
9876	11	20	15.2	302
9877	12	20	15.2	322
9879	15	20	17.0	384

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.

All measurements provided should be considered nominal and images for illustration purposes only. Although Central Cables Ltd has made every reasonable effort to ensure its accuracy, the information contained herein is subject to error or omission and to change without notice. In no event will Central Cables Ltd be liable for any damages whatsoever, arising in connection with the information described.