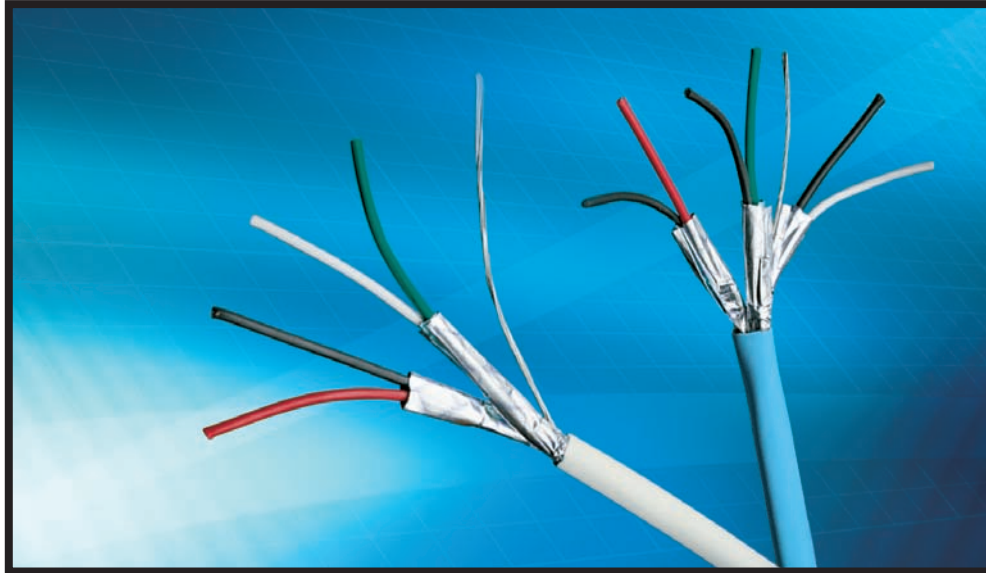


NP 259

**New Generation® STP
Plenum-rated Cables**

Belden® low capacitance, plenum-rated 2- and 3-pair STP cables have individually foil-shielded pairs, a particularly small OD and they are made with Low Smoke Flammarest® PVC insulations and jackets.



**Belden Shielded
Twisted Pair (STP),
Plenum-rated Cables
Are Now Offered with an
Economical, Low Smoke
Insulation and Jacket**

Belden is the first manufacturer to offer low capacitance, 2- and 3-pair, plenum-rated STP cables for commercial audio applications such as room-to-room audio, intercoms, and public address systems in schools, houses of worship, and gaming facilities. The cables also address various building management needs, i.e., for instrumentation and control equipment, fire/burglar alarms, and access control devices such as card readers and biometric scanners.

Construction Details

These individually shielded 2- and 3-pair STP cables have a small OD (.158 and .190, respectively) for easy routing through tight openings and for better space utilization. These OD sizes are approximately 15% smaller than similar cables from other manufacturers. The 15% diameter reduction leverages as a 24% square area reduction and a 24% better fill rate (and space utilization) for critically tight spots.

To make the cables more economical and easier to install than other makers' products, Belden uses a highly flexible, Low Smoke Flammarest PVC for the cables' insulation and jacket. Traditional cable constructions employ hard-to-use, expensive fluoropolymers as their insulation material.

To achieve 100% coverage, the pairs of Belden's STP cables are individually shielded with Belden's Beldfoil® aluminum/polyester foil shield. An innovative isolation/shorting fold treatment called Z-Fold® is part of the shield's construction. To reduce the potential for noise ingress or egress, the shorting fold provides foil-to-foil contact where the shield's tape edges overlap.

22 AWG stranded (7x30) tinned copper conductors and a common 24 AWG stranded tinned copper drain wire complete the cables' construction features. Both cables are NEC and CEC CMP rated with a suggested working voltage of 300V RMS.

Product Availability

Belden 2-pair (Part #1325A) and 3-pair (Part #1326A) cables are available in both 500 and 1,000 ft. lengths from stock, with White or Blue jackets.

Plenum-rated, Individually Shielded Pairs

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Capacitance	
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm	* pF/ Ft.	* pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Natural Flammarrest® Jacket

300V RMS 	 1325A new	NEC: CMP	2	Black & Red, White & Green	500	152.4	10.5	4.8	14.7Ω/M'	15.0Ω/M'	.158	4.01	34	112
		CEC: CMP FT6			1000	304.8	20.0	9.1	48.2Ω/km	49.2Ω/km				

Pairs cabled on common axis to reduce diameter.

300V RMS 	 1326A new	NEC: CMP	3	Black & Red, White & Green Black & White	500	152.4	13.5	6.1	14.7Ω/M'	8.6Ω/M'	.190	4.83	34	112
		CEC: CMP FT6			1000	304.8	27.0	12.2	48.2Ω/km	28.2Ω/km				

*Capacitance between conductors.

For more information on Belden's Z-Fold construction see page 22.12 of the Master Catalog.