

# Multiple Pair/Overall Shielded Cable

## Detailed Specifications & Technical Data



**D252402**

### Applications:

- Indoor Plenum Spaces
- Control
- Signaling
- Electronic Data
- Microprocessor Based
- Serial Data

### Description:

- ASTM 24 AWG Tinned Copper
- Teflon Insulation
- Overall Shield 100% Coverage of Aluminum
- Polyester Foil with 24 AWG Stranded Drain Wire
- Twisted-Pair Construction
- Flexible Plenum Jacket

### Rating:

- NEC Type CMP
- UL and cUL Listed or cETLus Listed
- Meets 300V Requirements as specified in the NEC
- Flame Rating: NFPA 262 Smoke & Flame Test

## Construction & Dimensions

CONDUCTOR PARAMETERS	
Number Of Pairs	2
AWG Size	24
Conductor Stranding	Solid
Conductor Type	Tinned Copper
Nominal DCR	26 Ω/1000 ft
INSULATION PARAMETERS	
Insulation Type	FEP
Insulation Color Code	0.013 in
Insulation Color Code	1. Black-Red 2. Black-White
SHIELDING PARAMETERS	
Shield Type	Overall 100% Aluminum Foil
Drain Wire Type	Tinned Copper
Drain Wire AWG	24 AWG
ELECTRICAL CHARACTERISTICS	
Nominal Impedance	100 Ω
Nominal Capacitance Between Conductors	14.5 pF/ft
Nominal Capacitance Between Shield	26 pF/ft
OVERALL CONSTRUCTION PARAMETERS	
Total Number of Conductors	4
Jacket Type	Flexible Plenum
Jacket Thickness	0.015 in
Nominal Cable O.D.	0.188 in
Plenum	Yes
NEC UL Rating	CMP
RoHS Compliant	Yes
Pull Tension	44 lbs
Bend Radius	1.692 in
Cable Weight	21 lbs

OVERALL ELECTRICAL/OPTICAL CHARACTERISTICS	
Nominal Velocity of Propagation (VP)	72%
UL Flammability	NFPA 262 Plenum
Operating Range	0 to 60°C
UL Voltage Rating	300

RELATED PRODUCT
Stranded 24 AWG for Serial Data and Digital Audio Use: DA252402