



# Dual Conductor Ground Cord 2300 Series



The 3M™ Dual Conductor Ground Cord is part of a personnel ground monitoring system. The 3M™ Workstation Monitor product line (Models 724, 725, and 790) uses a dual conductor type wrist strap system consisting of a dual conductor wristband and ground cord. The dual system allows for a monitored loop resistance measurement, which includes the wristband contact to the wearer and a redundant grounding path. If one conductor of the system fails, the other can still function maintaining the grounding of the person. As a result, this prevents static from being generated by the person, eliminating possible damage to static-sensitive electronic components. The series includes cords available in 5, 10, or 20 feet lengths and are compatible with all existing 3M dual conductor fabric, metal, and thermoplastic wristbands.

3M™ Dual Conductor Cord 2300 Series features a new cord construction with a double insulated jacket which improves the cord's durability to repeated flexing and provides for a lighter weight cord. In addition, the "positive" plug grip makes it easy to insert and remove the cord from a remote input jack. The 3M™ Dual Conductor Ground Cords 2360, 2370, and 2371 are a straight plug design.

Two new series of right angle plug connection designs have been added. The 3M™ Dual Conductor Ground Cords 2360R, 2370R, and 2371R, which use a 3.0 mm diameter plug tip, are recommended for use with 3M monitors and some other monitor manufacturers that use a smaller input jack design. The 2360R, 2370R, and 2371R ground cords are identified by gray overmolded ends.

The 3M™ Dual Conductor Ground Cords 2391, 2392, and 2393, which use a 3.4 mm diameter plug tip, are recommended for use with other manufacturers' monitors that use a larger input jack design. The 2391, 2392, and 2393 ground cords are identified by blue overmolded ends.

Feature (Typical Value)	3M™ Dual Conductor Ground Cords 2300 Series								
Model Number	2360	2360R	2370	2370R	2371	2371R	2391	2392	2393
<b>Usable Working Length</b> P = Practical E = Extended									
P 5 ft. E 7 ft.	x	x					x		
P 10 ft. E 12 ft.			x	x				x	
P 20 ft. E 24 ft.					x	x			x
<b>Cord Design</b> Double Insulated Jacket									
External: Hytrel Internal: Polypropylene	x	x	x	x	x	x	x	x	x
Color	Gray	Gray	Gray	Gray	Gray	Gray	Gray	Gray	Gray
<b>Overmolded Ends Design</b>									
Hytrel	x	x	x	x	x	x	x	x	x
Color	Gray	Gray	Gray	Gray	Gray	Gray	Blue	Blue	Blue
<b>Plug End Type</b>									
Straight	x		x		x				
Right Angle		x		x		x	x	x	x
<b>Plug Contact</b>									
Tip: Stainless Steel Barrel: Ni Plated Phos/Bronze	x	x	x	x	x	x	x	x	x
<b>Plug Tip Diameter</b> (Remote Plug End)									
3.0 mm (+/-0.08 mm)	x	x	x	x	x	x			
3.4 mm (+/- 0.08 mm)							x	x	x
<b>Plug Barrel Diameter</b>									
0.135 in. (+/-0.003 in.)	x	x	x	x	x	x	x	x	x
<b>Flex Life</b> (3M Test Method)									
Number of Flexes (>100,000)	x	x	x	x	x	x	x	x	x
<b>Electrical Resistance</b> (End to End)									
Tip to Tip / Barrel to Barrel 1 Megohm (+/-10%)	x	x	x	x	x	x	x	x	x
<b>Ground Cord Compatibility</b> (With Dual Conductor Wrist Strap Monitors)									
3M	x	x	x	x	x	x			
Credence Technologies	x	x	x	x	x	x			
Novx Corporation							x	x	x
Semtronics							x	x	x

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