

# Lightweight ESD Coil Cords

CCS10SM / CCJ10SM

## Description

Lightweight ESD coil cords from Bondline provide a strong connection to ground when used in combination with an ESD wrist strap and Earth Bonding Point. These antistatic coil cords are single moulded and 1.8m in length (6ft long) - an ideal length for working at workstations. The lightweight ESD coil cords are available with either '10mm snap both ends' or '10mm snap to jack with a crocodile clip'. All snaps are fitted with a 1 meg-ohm safety resistor. The lightweight ESD coil cords are specifically manufactured for the safe grounding of operators working with ESD sensitive components to prevent the build-up of static discharge (ESD).

Lightweight ESD cords can be stretched and recoiled back to at least 85% of its original length, helping to keep a clear working area for efficiency and comfort. These lightweight ESD coil cords are a cost-effective grounding cord for personnel grounding in ESD protected areas.



## Standards & Regulations

-  RoHS compliant
-  REACH compliant
-  CE certified
-  IEC-61340-5-1 compliant

## Key Features

- 1.8m length (6ft) coil cord.
- Polyurethane (PU) insulated cord.
- 10mm female snaps as standard.
- All snaps have 1 meg-ohm safety resistor.
- Lightweight and provides a strong connection to ground.
- Can be stretched and recoiled back to at least 85% of its original length.
- A cost-effective option for grounding personnel at a workstation.
- Ground end of the cord is moulded with single nylon material.
- Standard colour options include dark blue and light blue.
- Options include: 'stud-to-stud' and 'stud-to-jack with crocodile clip'.
- Must be used in combination with an Earth Bonding Point and anti-static wrist strap to ensure operator is grounded.
- Compliant to the IEC-61340-5-1 International ESD Standard.

## Bespoke ESD Coil Cords





Our ESD coil cords can include either a 4mm, 7mm or 10mm stud. Custom colours including dark blue, black, yellow and light blue are available on request. Please contact our sales team on **+44 (0)1793 511000** or email us at [sales@bondline.co.uk](mailto:sales@bondline.co.uk) if you would like to enquire about our bespoke coil cords.



# Lightweight ESD Coil Cords

CCS10SM / CCJ10SM

Technical Specification	Typical Values
Cord Construction & Material	<p>The body housing shall contain a female snap in any sizes of 4mm, 7mm and 10mm, with or without resistor, joined in series to the conductor with ordinary banana plug of another snap on the other end. The ground end of the cord is moulded with single nylon material (strain relief/body housing).</p> <p><b>Conductor:</b> Diameter is 2.5mm with 7 tinsel wires. <b>Insulation:</b> Coil cord is insulated with PU material.</p>
Electrical Properties	<p>The cord conductor shall have an end to end resistance not greater than 50 ohms. <b>Resistivity:</b> Current limiting resistance = 1 meg ohm + 20%.</p>
Breakaway Force	1 to 5lbs of pull away force is required to disconnect the snap in a normal disconnect direction.
Ground Lead Extendibility	Cord should return back to at least 85% of its original length in less than 10 minutes after hanging for 24 hours, with 1KG weight on the other end.
Hardware	All metal parts shall show no evidence of corrosion and rust after 24 hours submersion to salt solution. Preferably made from stainless steel or brass alloy plated with nickel.
Connection Integrity	The tensile strength of the end connections shall be not less than 66% of the tensile strength of the wire, and in no case shall it be less than 5 lbs.
Plastic Parts	Anti-static nylon materials.
Markings	With logo and resistance value.
Colour	Available in light blue and dark blue as standard.

Part Code	Description	
CCS10SM	Dark blue single moulded coil cord, 10mm stud-to-stud, 1.8 meters long	
CCS10SMLB	Light blue single moulded coil cord, 10mm stud-to-stud, 1.8 meters long	
CCJ10SM	Dark blue single moulded coil cord, 10mm stud-to-jack, 1.8 metres long	
CCJ10SMLB	Light blue single moulded coil cord, 10mm stud-to-jack, 1.8 metres long	



# Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary,  
no obligation advice by  
speaking with one of  
our technical experts  
today.

