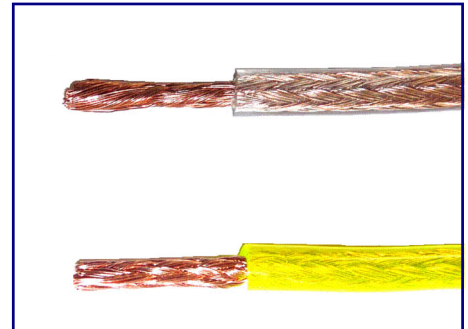


# COPPER BRAIDED BONDING CABLE

- ◆ **LOW ELECTRICAL RESISTANCE**
- ◆ **BRAIDED COPPER CORE**
- ◆ **TRANSPARENT PVC COVER**
- ◆ **EX-STOCK DELIVERY**



## Introduction

One of the primary hazards associated with the transfer of petroleum products and bulk powders at high flow rates is the risk of sparking and resultant explosion due to the build up of static electrical charges.

Such a situation exists when loading or unloading petroleum spirit, hazardous waste or bulk flour road tankers or when refuelling aircraft. During such operations it is essential that the pipework system is electrically bonded to the tanker, or the refuelling vehicle to the aircraft, to ensure that no difference in potential exists between the adjacent system components. The cable used to achieve this is of critical importance.

## Bonding Cable

The most widely accepted cable for static bonding consists of a 16x8x0.2 braided Copper core with a clear PVC cover material, as used by all the major oil companies for aviation refuelling throughout the world.

The use of Copper ensures the lowest possible electrical resistance of 0.007 Ohms per metre length, and the braided construction resists the tendency of the cable to kink. The clear PVC cover protects the core from abrasion, the elements and fuel spillages whilst allowing regular visual inspection to check for breaks or internal damage.

With the ever increasing importance of safety in the workplace, we also now have a High Visibility grade available. To achieve this effect the PVC cover

compound is dosed with green fluorescent pigment at a level which still maintains the transparency of the cover.

The range has been completed with the addition of a low temperature 'Arctic' grade which can be used even in the coldest climates. However, this grade cannot be supplied with a transparent cover.

All three grades are available ex stock from Aljac Fuelling Components in either 250 metre long continuous coils or in cut lengths.

## Specification

**Core Material:** 16x8x0.2 single Copper braid to 3mm diameter.

**Cover Material:** Clear PVC, transparent Green PVC, or low temperature opaque PVC to 5mm diameter.

**Electrical Resistance:** 0.007 Ohms per metre.

**Nett weight:** Approximately 0.06 Kg per metre.

**Minimum Cold Flex Temperature:** Minus 20°C for standard grades, minus 40°C for Arctic grade.

**Maximum Temperature:** 60°C for all grades.

## How To Order

Simply quote the appropriate part number and specify the length required.

**Clear Cover Part Number: 0100212001**

**High Visibility Cover Part Number: 0100212005**

**Arctic Grade Part Number: 0100212007**

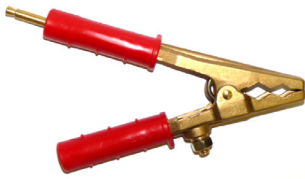
# BONDING CLIPS AND ACCESSORIES



**0100213020**  
Raco 140 mm Brass clip, insulated grips, integral cable trap feature.



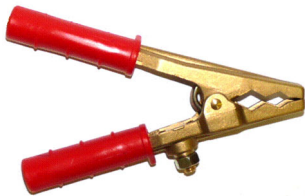
**0100213001**  
Raco 75 mm Brass clip, insulated grips, complete with cable lug, cable tie and nut/bolt. (0100213002 for clip only).



**0100213017**  
Superclip 170 mm Brass clip, insulated grips, integral cable trap feature. With integral plug.



**0100213003**  
Bonding lug 1/2 inch diameter, Brass, 12 mm diameter hole, bolt to the structure or vehicle chassis.



**0100213018**  
Superclip 170 mm Brass clip, insulated grips, integral cable trap feature.



**0100213019**  
ALS10A Aluminium Alloy clip, to MIL-C-83413/7, with cable clamp screws (max. cable diameter 2.7 mm), jaw gap 2 mm fully closed.



**0100213021**  
Briticent Gripper plated Steel clip.



**0100213028**  
KK100 Brass clip and plug, commonly fitted to refuelling nozzles.



**0100213004**  
Bonding plug, Stainless Steel, with cable clamp nut, to MIL-C-83413/7 (max. cable diameter 2.7 mm).



**0100213023**  
Clip break away joint, Brass, with cable clamp screws, designed for helicopter refuelling operations.



**0100213024**  
Drum clamp, galvanised Steel, Stainless Steel point and thumb screw to connect to the rim of a 200 Litre drum, 25 mm jaw opening.

**ALL ITEMS EX STOCK !**

Please contact our Sales Department for Bonding Reels, Bonding Cable and Continuity Testers.