

Technical Data Sheet

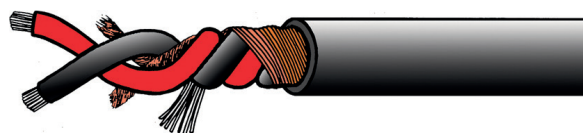
HST-HD & HST-HD-R HEAVY DUTY HELICAL SCREENED STRANDED CONDUCTOR TWIN CABLE

30-130 HST-HD

30-140 HST-HD-R

A high performance range of general purpose extra-flexible twisted twin conductor, helical ("lap") screened cables, suitable for both microphone and general purpose uses.

The cable construction design is the result of extensive research by Canford Audio, and the University of Durham Engineering Department. The outer jacket is an extra-flexible, soft PVC, (Polyurethane in the case of HST-HD-R), with a semi-matt finish.



SUGGESTED APPLICATIONS

Microphone and general purpose twin screened cable suitable for heavy duty usage in the studio, on stage, recording and outside broadcast. Tecpro and similar communication systems particularly where the DC power is on the same cable as the audio as the lower core resistance enables longer cable runs than standard twisted pair cable.

HST-HD-R is particularly useful for outside applications at low temperatures. The polyurethane jacket is tough, resilient and remains flexible in sub zero arctic conditions.

SUITABLE CONNECTORS

- 44-131 Deltron XLR 3 pin female cable plastic back-shell
- 44-132 Deltron XLR 3 pin male cable plastic back-shell
- 44-351 Deltron XLR 3pin female cable metal back-shell black
- 44-352 Deltron XLR 3 pin male cable metal back shell black
- 40-321 Neutrik NC3FX
- 40-322 Neutrik NC3MX
- 40-341 Neutrik NC3FXHD
- 40-322 Neutrik NC3MXHD

WIRING CONVENTIONS:

CABLE			XLR
Red	+ve	Hot	Pin 2
Black	-ve	Cold	Pin 3
Screen		Earth	Pin 1



TECHNICAL SPECIFICATION

Construction:	Two conductors, each 64 strands of 0.10mm plain copper wire for flexibility, twisted with short lay length (30mm) for better balance and noise rejection. Cotton fillers used both to reduce microphony and to give a more regular central core profile to prevent movement of screen. Precision wound helical formation screen, 72 strands of 0.10mm plain copper wire. Overall jacket is extra flexible soft PVC for HST-HD or Polyurethane for HST-HD-R which has excellent handling characteristics and remains flexible at low temperatures, together with a serviceable "semi-matt" surface finish.
Conductors:	64/0.10mm (0.50mm ²) plain copper wire
Insulation:	Red & Black PVC, HST-HD : O.D. = 1.86mm, HST-HD-R : O.D. = 1.70mm.
Twist & lay:	2 x 0.5mm ² plus 2 x cotton fillers 30mm lay length.
Screen:	72/0.1mm lapped plain copper wire, 95%optical coverage
Capacitance:	143pF/metre core to core, 256pF/metre core to core +screen.
Max Conductor	
Resistance:	4 ohms/100 metres
Overall Jacket:	HST-HD PVC, HST-HD-R Polyurethane, O.D. 7.2mm, semi-matt black
Weight:	HST-HD 6.1 kg/100m, HST-HD-R 5.6/kg/100m
Reel lengths:	100m and 500m
Cut lengths:	Available in any multiple of 1 metre.

Manufactured to Canford design.