Technical Data Sheet

HST-R-M Miniature Helical Screened Stranded Conductor Twin Cable (Rubber Equivalent Jacket)

30-170 HST-R-M



Designed for specialised applications requiring either an extra flexible mic cable or one of reduced overall size. The cable uses the standard HST core and screen construction, but then has a matt black polyurethane (PUR) jacket of only 0.8mm radial thickness, giving an overall cable diameter of 4.6mm.

This jacket thickness would be impractical with PVC, but due to the very tough wearing properties of PUR, becomes possible. However, the thinner jacket does not give the mechanical protection to the core, so it would not be suitable for on-stage use etc.

SUGGESTED APPLICATIONS

General purpose twin screened cable suitable for patch leads, general purpose balanced audio uses, studio and portable rack wiring. Also suitable as flexible mic cable although as the jacket is thinner it is not recommended for heavy duty on stage applications.

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
43-222 Neutrik NP3C Jack plug Stereo
43-431 Deltron 327 Jack plug Stereo solder, Nickel

WIRING CONVENTIONS

CABLE			XLR	JACK
Red	+ve	Hot	Pin 2	Tip
Black	–ve	Cold	Pin 3	Ring
Screen		Earth	Pin 1	Sleeve

TECHNICAL SPECIFICATION

Construction: Two conductors, each 30 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, which has excellent handling characteristics and remains flexible at low temperatures, together with a serviceable "semi-matt" surface finish

Conductors: 30/0.10mm (0.235mm2) plain copper wire Insulation: PVC, radial thickness 0.38mm,OD 1.4mm, Red and Black

Twisting and lay: 2 x 0.25mm2 plus 2 x cotton fillers,30mm lay length

Screen: 72/0.1mm helically wound plain copper wire, 96% optical coverage

Capacitance: 143pF/metre core to core,256pF/metre core to core +screen.

Max Conductor

Resistance: 69 ohms/km

Overall Jacket: Polyurethane, OD 4.6mm (±0.2mm), matt black

Weight: 2.8 kg/100m

Reel lengths: 100m and 500m

Cut lengths: Available in any multiple of 1 metre.

Manufactured to Canford design.