

Section B

MESH TAPES & DIECUT SHAPES

Codes - 810-811

DESCRIPTION

The knitted wire mesh tape is designed for sheathing and wrapping cables and gaskets and for dissipating corona discharge at high voltage splices. Thin gaskets and laminated optical windows can be fabricated from shielding mesh, which can also be used in static discharge applications.

The Standard SURSHIELD "45-" tape is an all-metal open weave mesh that is knitted from a single continuous wire into the form of a cylindrical stocking and then flattened into a 2 ply tape. The tape will not warp due to changes in temperature as the knitted loops move into each other and change shape slightly. The slightly irregular loops will also prevent "zoning patterns" from forming. Termination of the tape can be made by soldering, clamping or using conductive silver epoxy adhesive. When bandaged onto a cable using half-overlap it provides an effective 4 layer mesh shielding cover.



WIRE TYPES

Monel (M) **Tinned Copper (TC)**
Copper (C) **Aluminium (A)**

Stainless Steel (SS)
Silvered Copper (SC)

Thickness		Width		Part Numbers			
mm	mm	Monel	Copper	Tinned Copper	Aluminium	Stainless Steel	Silvered Copper
0.3	15	M45-0003-0150	C45-0003-0150	TC45-0003-0150	A45-0003-0150	SS45-0003-0150	SC45-0003-0150
0.3	25	M45-0003-0254	C45-0003-0254	TC45-0003-0254	A45-0003-0254	SS45-0003-0254	SC45-0003-0254
0.3	50	M45-0003-0508	C45-0003-0508	TC45-0003-0508	A45-0003-0508	SS45-0003-0508	SC45-0003-0508
0.3	75	M45-0003-0752	C45-0003-0752	TC45-0003-0752	A45-0003-0752	SS45-0003-0752	SC45-0003-0752

MONEL 400
HARD DRAWN COPPER
TINNED COPPER (tin plating on copper)

BS 3075 NA13
BS 4109
BS 4109

ALUMINIUM
STAINLESS STEEL
SILVER CLAD COPPER (Silver cladding on copper)

ALMG5
AISI 304
BS 4109

REEL QUALITY

All SURSHIELD mesh tapes are typically supplied in reels of 30 meters.