

# TECHNICAL DATA SHEET



## ECCS Copolymer Coated Steel Tape

Armoring and Shielding for Telecommunication Cables

### Grade: 1410 Mono Layer (1410M)

Low carbon electrolytically chrome coated steel tape tempered to T3, suitable for telecommunication cables. Coated with a mono-layered polyethylene copolymer film which exhibits excellent adhesion to the steel substrate and provides a strong bond to materials LDPE, MDPE and HDPE. 1410M is suitable for subsea cable applications.

Property	Test method	Value	Unit
<b>General:</b>			
Thickness ( $\pm 0.015$ mm)		0.155	mm
Thickness coating ( $\pm 0.005$ mm)		0.045	mm
<b>Mechanical:</b>			
Tensile strength	ASTM A 370	300 - 400	N/mm <sup>2</sup>
Elongation	ASTM A 370	> 15	%
Peel strength (coating to metal)	ASTM B 736	No Peel	N/cm
Heat seal strength (coating to coating)	ASTM B 736	> 17.5	N/cm
Water aging effects (after 1 week 68°C)	ASTM B 736	No Decrease	N/cm
Lap shear (coating sealed to coating)	ASTM B 736	Breaks Metal	

### Product Offering

Width (mm) Jumbo roll: 610

Width (mm) Slit roll: 12 - 610

Length (m): 2300, 4500

ID (mm): 406

The data presented herein is given in good faith and correct to the best of our knowledge at publication. Values quoted are typical and do not constitute a guarantee of performance and UNITAPE reserve the right to make alterations without notice. UNITAPE is a registered trademark

UNITAPE Ltd  
Unit 7, Park View, Alder Close  
Eastbourne, East Sussex  
BN23 6QE, United Kingdom

UNITAPE (USA) LLC  
620 Reese Drive SW  
Conover  
NC 28613 USA