tyco / Electronics   **Identification**

TECHNICAL DATA SHEET

Snap-on (STD/STB & E-Type™) markers

MATERIAL DESCRIPTION: Molded polyoxymethylene (POM) shapes. UL94 HB rated zero halogen material.

USE: Identification of wires and small cables using individual characters, including fiber optic cables. Characters are side-entry installed using an applicator wand, so allowing identification after termination and/or installation. Snap-on markers have an expanding profile which enables markers to accommodate a wide range of wire/cable sizes. Markers are supplied chevron cut to ensure legend remains aligned.

SIZE RANGE: 11 sizes to accommodate wire/cable diameters from 1 to 19mm (0.04 to 0.75 inches).

COLORS/MARKING: White or yellow markers with black characters (A - Z, 0 - 9 and symbols).

European color coded markers with white or black characters (0 to 9) also available.

Black markers with white characters available for outdoor use (UV stabilized material).

SERVICE TEMPERATURE: -40°C to $+106^{\circ}$C (-40°F to $+223^{\circ}$F).

CHEMICAL RESISTANCE: Generally resistant to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

PERFORMANCE:

PROPERTY	TEST METHOD	TYPICAL EFFECT
Tensile Modulus	ISO 527	2900MPa
Elongation at break	ASTM D638	28%
Flexural Modulus	ISO 178	2800 Mpa
Izod impact strength	ISO 180 IC: 23°C (73°F)	110mJ/mm²
	ISO 180 IC: 30°C (86°F)	90mJ/mm²
Heat deflexion temperature	DIN 53461	106°C (223°F)
Vicat softening temperature	ISO 306	151°C (304°F)

E-Type Markers

E-type cable markers are designed to provide an easy and convenient method of marking in-situ or terminated cables using an integrated applicator.

- *Snap-on marker for post-termination application*

- *Secure grip for positive fixing to the cable*

- *Supplied on applicators for quick and easy fixing*

- *Suitable for cables from 0.1mm^2 to 100mm^2*

- *Colour coded option*

From the widely differing environments of an offshore platform to a control panel, Critchley have developed an extensive range of marking systems to suit a variety of identification requirements.

E-Type Markers

FOR CABLE DIAMETER mm	FOR CABLE SIZE mm² (BS6004)(BS6231)	MARKER SIZE	APPLICATOR COLOUR	PACKED	ORDER CODE
1.0-1.4	0.1-0.5	1†	Brown	300	**0650**
1.4-1.8	0.5-0.7	2†	Grey	300	**0651**
1.9-2.6	0.7-1.0	3†	Green	300	**0652**
2.6-3.5	1.5-3.4	6†	Red	300	**0653**
3.3-4.5	2.5-6.0	9†	Blue	300	**0654**
4.5-6.0	6.0-10.0	12†	Yellow	300	**0655**
5.8-8.5	10.0-16.0	15††	-	50	**0656**
8.5-11.5	16.0-25.0	17††	-	50	**0657**
11.0-15.5	25.0-70.0	21††	-	50	**0658**
15.0-19.0	70.0-100.0	24††	-	50	**0659**

† Packs contain 10 applicators, each carrying 30 markers.
†† Packs contain 50 markers; applicators are sold separately, please ask for details.
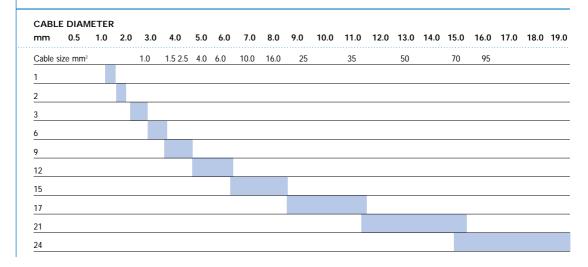
MATERIAL
POM
COLOUR OPTIONS
White body marked black: A-Z, 0-9 and symbols. Yellow body marked black: A-Z, 0-9 and symbols. COLOUR CODED: (European): 0-9

SERVICE TEMPERATURE

-40ºC to +125ºC

CHEMICAL RESISTANCE

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit

CABLE DIAMETER

mm	0.5	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0

Cable size mm² 1.0 1.5 2.5 4.0 6.0 10.0 16.0 25 35 50 70 95