

# 3M™ Scotchcast™ Low Voltage Splicing Kits



## Product Description

3M Scotchcast resin splicing kits utilize two-part polyurethane infill compound which is 100% solid, electrical grade and hydrolytically stable insulating resins that exhibits good adhesion to plastic, XLPE, PVC, nylon and all types of metals. Once cured, the resin combines good durability with excellent protection against moisture, salt, oil and many type of chemicals.

## Application

3M Scotchcast resin splicing kits are specifically designed for indoor, outdoor (weather exposed), direct buried or submersed application. It is used for the encapsulation of all types of cable joints, power cables, telecommunications and fibre optic cables, with copper or aluminum conductors.

## Features

Scotchcast resin MR408 is tested and certified to CENELEC HD 631.1 S2 standard with LMP-W and MMP-W classifications. It has a low exothermic reaction temperature.

Properties of Cured Compound	Typical Performance	Test Method
Appearance	Dark solid	-
Density	1.05 – 1.07g/cm <sup>3</sup>	ISO 3675
Volume shrinkage	3.8 %	ISO 3521
Tensile strength	3.2 MPa	ISO 527
Water absorption	0.15 %	ISO 62
Dielectric strength	200 kV/cm	IEC 243
Hydrophobic behavior	Passed	HD 631.1 S2

Product	Min Cable OD (mm)	Max Cable OD (mm)	Cable Conductor Size (mm <sup>2</sup> )
Scotchcast 88-NA1	8	22	1.5 - 10
Scotchcast 88-NA2	14	30	16 - 25
Scotchcast 88-NA3	23	35	35 - 50
Scotchcast 88-NA4	28	47	70 - 95
Scotchcast 88-NA5	35	60	120 - 150
Scotchcast 88-NA6	45	80	185 - 240