

### DLP Dulmison Line Post Insulators

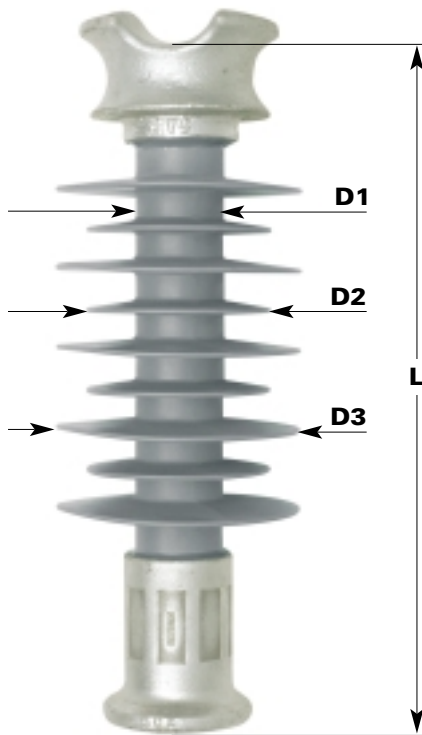
The Dulmison DLP polymeric line post insulator combines mechanical strength of pultruded fibreglass with high voltage, tracking and erosion resistant silicone. The DLP is manufactured by directly molding specially formulated silicone elastomer over and an excellent grade pultruded fibreglass rod. This combination provides a top quality insulator that meets or exceeds all industry standards and severe requirements.

Corrosion resistant end fittings are crimped to the pultruded fiberglass core to allow the transition of mechanical loading to the line and mounting structure. A patented crimp control technology monitors for damage to the fiberglass rod while achieving maximum mechanical strength. The hardware to housing/fiberglass rod seal is achieved with a carefully selected high voltage, tracking and erosion resistant silicone to protect against moisture ingress.

Tyco Electronics long-term service experience correlated to laboratory testing has shown outstanding performance of the silicone insulating housing material in all pollution conditions described in IEC 60815.



Features	Benefits
Composite design	Lightweight – easy installation Vandal and break resistant Impact resistant
Silicone housing	High tracking and erosion resistance Excellent environmental performance Reduced maintenance costs
Crimped galvanised fittings	Patented crimp control ensures high mechanical steel end strength
Sealant	Silicone sealant protects against moisture ingress to the interface



### Technical Specification

#### Dimensions in mm and given in inches in brackets ( )

	DLP-25-F	DLP-35-F	DLP-46-F	DLP-52-F
Length L	363(14.3)	403(15.9)	443(17.4)	502(19.8)
Dry arc	245 (9.6)	280(11.0)	325(12.8)	361(14.2)
Creepage	730(28.7)	890(35)	1030(40.5)	1190 (46.8)
No. of Sheds	9	11	13	15
Diameter D1	44(1.75)	44(1.75)	44(1.75)	44(1.75)
Diameter D2	92(3.6)	92(3.6)	92(3.6)	92(3.6)
Diameter D3	122(4.8)	122(4.8)	122(4.8)	122(4.8)

#### Electrical

Wet AC withstand (kV)	75	80	95	95
Impulse withstand (kV)	150	190	200	250

#### Mechanical in kN and given in lbs in brackets( )

Specified Mechanical Load	12.5(2800)	12.5(2800)	12.5(2800)	12.5(2800)
MDCL	5.5(1250)	5.5(1250)	5.5(1250)	5.5(1250)

### Ordering Information

Description	Std Pkg	Pkg Weight	Pkg Volume
DLP-25-F	45 pcs	161kg (355lbs)	0.504m <sup>3</sup>
DLP-35-F	45 pcs	184kg (405lbs)	0.504m <sup>3</sup>
DLP-46-F	45 pcs	215kg (474lbs)	0.504m <sup>3</sup>
DLP-52-F	45 pcs	238kg (524lbs)	0.504m <sup>3</sup>

### End Fittings

The base end fitting is a centre 3/4" standard fixing hole (ANSI C29.7), the top fitting is an F-Neck (ANSI C29.7) which is a standard head according to IEC 60702. Additional end fitting designs and thread options are available on request.

### Applications

The applications are suitable for overhead lines and covered conductors up to a system voltage of 69 kV (IEC 60071-1).

### Environmental

IEC 60507, 1000 hrs salt fog testing and ANSI C29.16-20XX (Draft 1 - 11/28/00), 1000hrs rotating wheel testing have shown excellent performance. Qualification testing is according to the latest draft standards, namely IEC 61572 and C29.16.

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale.

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Electronics

Energy Division



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Hellstern



MORLYNN INSULATORS

Raychem

SIMEL

#### Argentina

Phone: ++54-11-4733 2277  
Fax: ++54-11-4733 2267

#### Australia

Phone: ++61-2-4390 1111  
Fax: ++61-2-4353 2497

#### Brazil

Phone: ++55-11-3611 1862  
Fax: ++55-11-3611 2457

#### Canada

Phone: ++1-905-475 6222  
Fax: ++1-905-470-4453

#### France

Phone: ++33-3-80583200  
Fax: ++33-3-80341015

#### Mexico

Phone: ++52-5-729 0405  
Fax: ++52-5-361-8545

#### Thailand

Phone: ++66-2-7394026 - 32  
Fax: ++66-2-3260563 - 64

#### United States of America

Phone: ++1-800-327-6996  
Fax: ++1-800-527-8350

#### United Kingdom

Phone: ++44-1772-325400  
Fax: ++44-1772-726276

**Tyco Electronics Raychem GmbH  
Energy Division**

Haidgraben 6, 85521 Ottobrunn/Munich, Germany

Phone: ++49-89-6089-0, Fax: ++49-89-6096345

<http://energy.tycoelectronics.com>