

PRODUCT SPECIFICATIONS

LIGHTSPEED™-3

PRODUCT CODE: 730

LightSpeed-3 is a dielectric 3-strand rope utilizing high-tenacity monofilament polypropylene fibers with an advanced coating solution. *LightSpeed-3* is manufactured according to ASTM F1701-12 (2018) and IEC 62192:2009 and is perfect for jobs requiring maximum insulation in dry and humid environments and outdoor and underground applications.

Manufactured according to ASTM F1701-12 (2018) & IEC 62192:2009.

FEATURES & BENEFITS:

- Excellent dielectric properties
- Floats
- Spliceable

APPLICATIONS INCLUDE:

- Handline

DIAMETER (INCH)	DIAMETER (MM)	MIN. STRENGTH (LBS)	MIN. STRENGTH (KGS)
3/8	10mm	3,009	1,365
1/2	12mm	4,471	2,028
9/16	14mm	6,146	2,788
5/8	16mm	7,377	3,346
3/4	18mm	9,804	4,447

Special Instructions for Dielectric Rope

Rope that is specifically identified as **dielectric**, indicating it meets the electrical performance properties defined by IEC 62192 or ASTM F1701-12, is a rope designed to provide superior electrical insulation and is suitable for live working. During the manufacturing process, different additives are applied to provide this rope with excellent dielectric performance, negligible water absorption, and improved UV resistance. In addition to the standard precautions that must be followed for all synthetic ropes, dielectric ropes should be stored away from UV at temperatures below 85 degrees Fahrenheit (30 degrees Celsius). Contact with acids should be especially avoided. Rope should be inspected regularly and discarded if there are strands with any defects or signs of wear or breakage (even partial). Clean dielectric rope only with a dry cloth, never with solvents. Dielectric rope should be spliced according to Samson's standard splicing instructions for Class I ropes.

The mechanical properties of dielectric rope will remain in effect for at least 5 years from the date of manufacture when kept in its original packaging and stored according to manufacturer instructions.



PRODUCT SPECIFICATIONS

LIGHTSPEED-12™

PRODUCT CODE: 731

LightSpeed-12 is a dielectric 12-strand rope utilizing high-tenacity monofilament polypropylene fibers with an advanced coating solution. Perfect in environments where maximum electric isolation is required, *LightSpeed-12* is effective in fiber optic installation and high voltage scenarios, such as near power lines and for jobs with outdoor and underground applications. A non-rotational construction with excellent strength characteristics compared to other polypropylene 3- or 4-strand ropes, *LightSpeed-12* is manufactured according to ASTM F1701-12 (2018) and IEC 62192:2009.

Manufactured according to ASTM F1701-12 (2018) & IEC 62192:2009

FEATURES & BENEFITS:

- Excellent dielectric properties
- Floats
- Spliceable
- UV Resistant
- Melting point 165° C / 329° F

APPLICATIONS INCLUDE:

- Handline

DIAMETER (INCH)	DIAMETER (MM)	MIN. STRENGTH (LBS)	MIN. STRENGTH (KGS)
1/2	12mm	4,480	2,032
9/16	14mm	6,127	2,779
5/8	16mm	8,034	3,644
3/4	18mm	10,201	4,627
1/2	12mm	4,480	2,032

Special Instructions for Dielectric Rope

Rope that is specifically identified as **dielectric**, indicating it meets the electrical performance properties defined by IEC 62192 or ASTM F1701-12, is a rope designed to provide superior electrical insulation and is suitable for live working. During the manufacturing process, different additives are applied to provide this rope with excellent dielectric performance, negligible water absorption, and improved UV resistance. In addition to the standard precautions that must be followed for all synthetic ropes, dielectric ropes should be stored away from UV at temperatures below 85 degrees Fahrenheit (30 degrees Celsius). Contact with acids should be especially avoided. Rope should be inspected regularly and discarded if there are strands with any defects or signs of wear or breakage (even partial). Clean dielectric rope only with a dry cloth, never with solvents. Dielectric rope should be spliced according to Samson's standard splicing instructions for Class I ropes.

The mechanical properties of dielectric rope will remain in effect for at least 5 years from the date of manufacture when kept in its original packaging and stored according to manufacturer instructions.

