



SPINNER || SpinnerFlex® Jumpers

Top quality, top performance...every time



Edition 1/2013

High Frequency Performance Worldwide
www.spinner-group.com



Well connected

SPINNER sets standards in RF technology – for products and production.

SPINNER has long standing experience in manufacturing jumpers of the highest quality. Our modern manufacturing and testing processes ensure best-in-class quality.

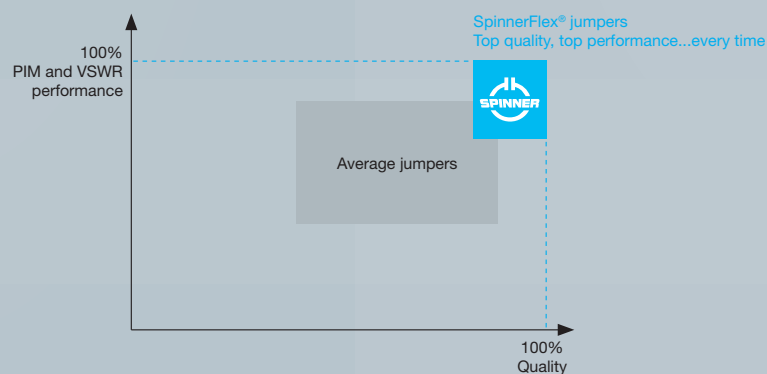
The introduction of new radio technologies such as LTE requires better quality from jumpers to mitigate risk based on PIM and VSWR. The increase of frequencies and data throughput requires superb and robust transmission capability. The SpinnerFlex® portfolio meets and exceeds these requirements and supports excellent RF characteristics and best-in-class performance for PIM and VSWR.

Our product features, your benefits

SpinnerFlex® jumpers ensure the perfect and most cost effective connection between base stations and antennas. Our high quality standards with regards to design, material and manufacturing ensure best possible connectivity, optimized installation and failure-free operation, even under toughest environmental conditions.

The benefits are obvious; lower cost of ownership, lower OPEX, and better utilisation of the entire site CAPEX.

SpinnerFlex® jumpers are available in three types: SpinnerFlex® TopFit as traditional jumper, SpinnerFlex® MultiFit as jumper with feeder connector and SpinnerFlex® Hybrid as feeder/jumper combination. All SpinnerFlex® jumpers are IP 68 weather protected and produced in an environmentally responsible way to ISO 14001.



Rock solid performance

SpinnerFlex® TopFit jumpers

SpinnerFlex® TopFit jumpers ensure best performance in their class and are continuously improved. The latest achievement is a new patented bending and moulding process which ensures the same excellent performance for right-angled connectors as provided for straight connectors.

SpinnerFlex® TopFit jumpers are available as 1/2" low loss flexible (LF) and 1/2", 3/8" and 1/4" super flexible (SF) jumpers. They can be manufactured with 7-16, 4.3-10, 4.1-9.5 and N connectors of male, female and male right angled types. SpinnerFlex® TopFit jumpers can be produced in any length.



SpinnerFlex® MultiFit jumpers

SpinnerFlex® MultiFit jumpers for direct feeder installation combine the advantages of a factory assembled SpinnerFlex® Hybrid jumper with the flexibility of a conventional feeder line installation. The direct attachment of a MultiFit feeder connector allows precise feeder cutting on site. At the same time the connectionless assembly minimises installation time and installation faults.

SpinnerFlex® MultiFit jumpers are based on super flexible (SF) 1/2" copper corrugated jumper cable. On one end sits a LF 7/8" feeder connector, the other end can be fitted with 7-16, 4.3-10, 4.1-9.5 and N connectors of male, female and male right angled types. SpinnerFlex® MultiFit jumpers can be produced in any length.

SpinnerFlex® MultiFit jumpers are compatible with all commercially available 7/8" feeder cables.



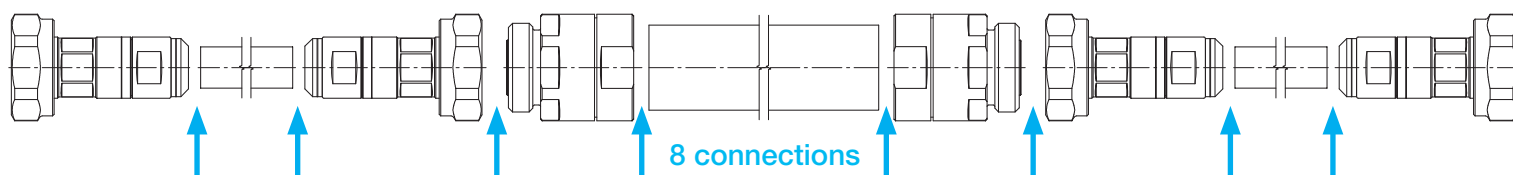
SpinnerFlex® Hybrid jumpers

SpinnerFlex® Hybrid jumpers are assembled to combine the low losses of a LF 7/8" feeder cable with the flexibility and the easy handling of a SF 1/2" jumper. The one hundred per cent factory assembled and tested cables eliminate any installation error and minimises installation time. Outstanding IM-Performance and low VSWR make these cable assemblies ideal for all kind of installation.

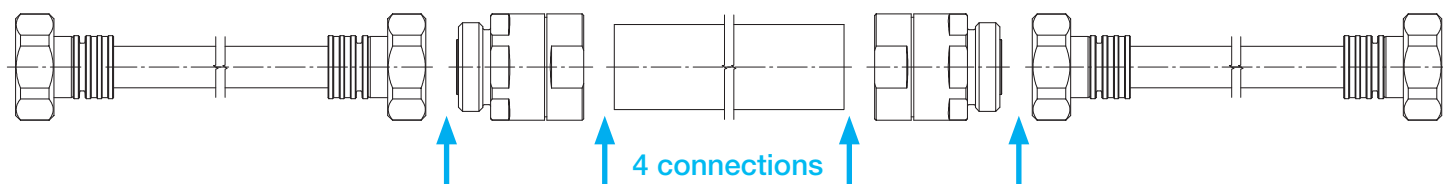
The SF jumper part is one meter on each side. The SpinnerFlex® Hybrid jumpers are available with 7-16, 4.3-10, 4.1-9.5 and N connectors of male, female and male right angled types. Total length is between 6 and 20 meters. Other versions can be made available on request.



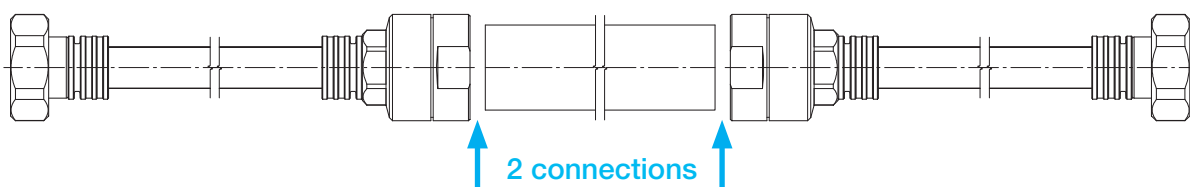
Comparison of contacts Connections for field installation



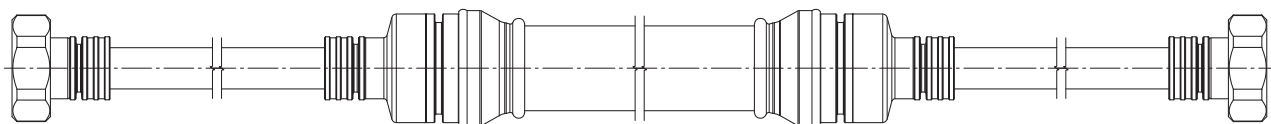
Full manual installation: SPINNER Cut and Fit/MultiFit connectors on feeder and jumper cables



Factory assembled SpinnerFlex® TopFit jumper plus SPINNER Cut and Fit/MultiFit feeder connectors and feeder cable



Factory assembled SpinnerFlex® MultiFit jumper plus feeder cable



Completely factory assembled SpinnerFlex® Hybrid jumper

Data subject to change without notice

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Certified according to DIN EN ISO 9001/14001