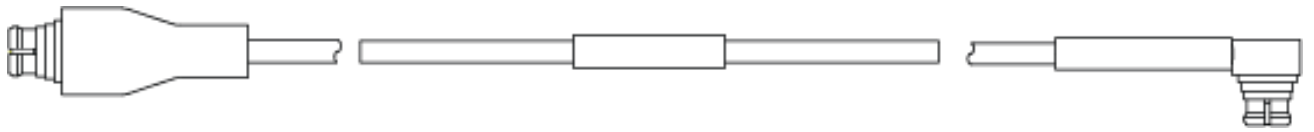


# Technical Data Sheet

# Rosenberger

Cable assembly  
SMP / SMP – RTK-Flex047

## 70W-19K1-19K2-XXXXX



All dimensions are in mm; tolerances:  
 $\leq 100$ :  $XXX \pm 2.0$ ;  $> 100$  to  $\leq 1500$ :  $XXX \pm 5.0$ ;  $> 1500$  to  $\leq 3000$ :  $XXX \pm 10.0$ ;  $> 3000$ :  $\pm 1.5\%$

### Available variants

| Type                | Max Insertion Loss   | Marking                                 | Weight (g) / pce                                    |
|---------------------|--|---|---|
| 70W-19K1-19K2-XXXXX | $\leq 0.0073 \text{ dB/mm} * A \text{ mm} + 1.83 \text{ dB}$ | ROSENBERGER YYWW<br>70W-19K1-19K2-XXXXX | $0.0052 \text{ g/mm} * A \text{ mm} + .6 \text{ g}$ |

XXXXX – length in mm = A  
 WW – week YY – year

Note: max Insertion Loss:  
 First Constant = Cable attenuation in dB/mm; Second Constant = Connector left and Connector right

Weight:  
 First Constant = Cable weight per mm; Second Constant = Connector left and Connector right per pce

### Assembly parts

|                 |             |              |
|-----------------|-------------|--------------|
| Connector left  | SMP Jack    | 19K107-270L5 |
| Connector right | SMP Jack    | 19K207-270L5 |
| Cable           | RTK-Flex047 |              |

### Electrical data

|                             |   |
|-----------------------------|---|
| Impedance                   | 50 $\Omega$                                 |
| Frequency                   | DC to 26.5 GHz                              |
| Return Loss <sup>1</sup>    | $\geq 17 \text{ dB}$ , DC to 18 GHz         |
|                             | $\geq 11.5 \text{ dB}$ , 18 GHz to 26.5 GHz |
| Insertion Loss <sup>1</sup> | see table available variants                |

<sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

### Mechanical data

|                      |       |
|----------------------|-------|
| Minimum bend radius: |       |
| Single               | 5 mm  |
| Multiple             | 10 mm |

### Environmental data

|                   |                 |
|-------------------|-----------------|
| Temperature range | -40°C to +125°C |
| RoHS              | compliant       |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft   | Date     | Approved     | Date     | Rev.  | Engineering change number | Name         | Date          |
|---|----------|--------------|----------|---|---------------------------|--------------|---------------|
| Lizzy Beller  | 01/07/20 | Mark Bennett | 01/20/20 | 100   | Preliminary               | Mark Bennett | 01/20/20      |
| Rosenberger North America<br>P.O. Box 309 Akron, PA USA 17501<br><a href="http://www.rosenbergerna.com">www.rosenbergerna.com</a> |          |              |          | Tel. : +1.717.859.8900<br>Fax : +1.717.859.7044<br>Email : <a href="mailto:info@rosenbergerna.com">info@rosenbergerna.com</a> |                           |              | Page<br>1 / 1 |

PROPRIETARY AND CONFIDENTIAL  
 This data sheet is the property of Rosenberger North America. By acceptance of this document you agree that all the rights to drawings, specifications, processes and other data therein, as well as the proprietary and novel features of the subject matter, are reserved by Rosenberger North America and are disclosed in confidence. They are not to be manufactured, used, sold or disclosed to others, nor are devices embodying such features or information derived from these disclosures to be used or disclosed, unless and until expressly authorized by Rosenberger North America. These drawings, specifications, processes, etc., are and remain the property of Rosenberger North America, and are not to be copied or reproduced without permission.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [RF Cable Assemblies](#) category:*

*Click to view products by [Rosenberger](#) manufacturer:*

Other Similar products are found below :

[73-6352-10](#) [73-6353-3](#) [73-6364-6](#) [R285001001](#) [R288940004](#) [145111-05-12.00](#) [1661-C-24](#) [1801171170914KE](#) [24P104C24J1-012](#)  
[24P104C24P1-006](#) [24P104C24P1-018](#) [24P204C24J1-003](#) [172-2150-EX](#) [1800920920914PJ](#) [FCB-3030-ALT](#) [21117-046](#) [21117-050](#) [PCX-24-](#)  
[50](#) [24P103C24P2-003](#) [25P203C25P2-003](#) [PTWY-24-78](#) [R284008001](#) [R285001021](#) [R285426000](#) [R288940003](#) [R288940008](#) [4814-BB-24](#)  
[5260-72](#) [JT2N1-CL1-1F](#) [DLP-COAX1](#) [4814-K-48](#) [115101-09-06.00](#) [MXHT83QE3000](#) [CCNTN2-MM-LL335-26](#) [73-6351-25](#) [73-6352-3](#) [73-](#)  
[6353-25](#) [1800920920610PJ](#) [GD0BQ0BQ024.0](#) [1-3636-600-5210](#) [TL8A-11SMA-11SMA-01500-51](#) [R284C0351060](#) [R288940009](#)  
[R284C0351028](#) [R288940002](#) [9702-1SL-1](#) [PT82NSMA](#) [73-6353-10](#) [R285020301W](#) [PCX-18-50](#)