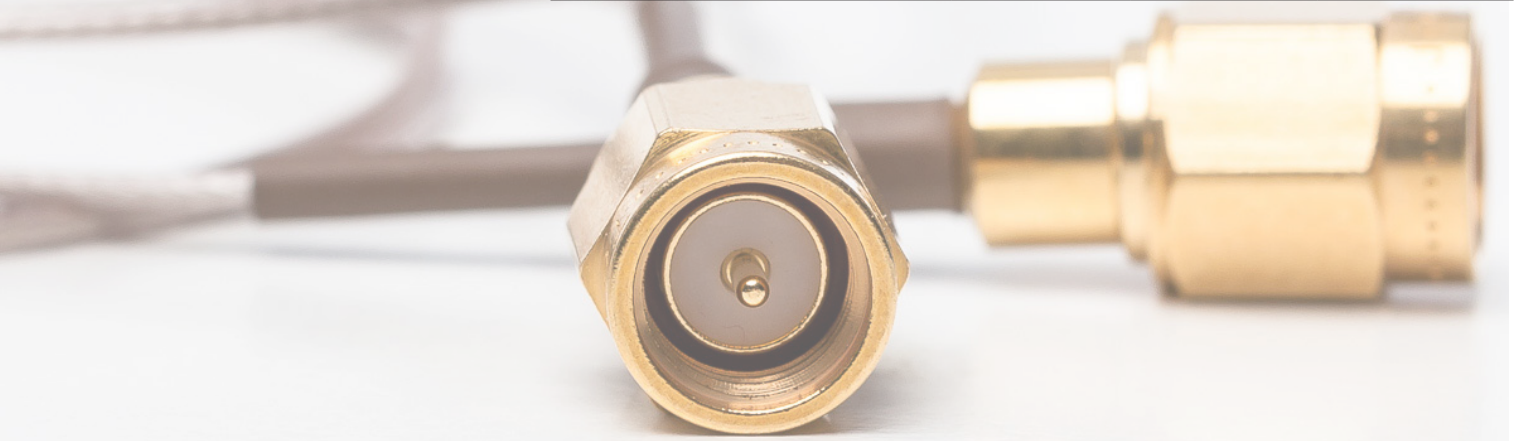




Subminiature Cables

Subminiature flexible, single shielded

| Description | | MK5001 | MK5002 | MMK5001 | MK7501 | MK9501 |
|----------------------------|---------------|----------|-----------------------|----------|------------|-----------|
| Order Number | | 15971 | 15977 / UL Style 1354 | 16021 | 15988 | 15990 |
| Inner Conductor | Material | CuAg | CuAg (strand) | Cu | CuAg | CuAg |
| | Diameter (mm) | 0.16 | 0.19 | 0.10 | 0.10 | 0.10 |
| Dielectric | Material | PTFE | PFA | PFA | PTFE | PTFE |
| | Diameter (mm) | 0.52 | 0.51 | 0.28 | 0.55 | 0.86 |
| Outer Conductor | Material | CuAg | CuAg | Cu | CuAg | CuAg |
| | Diameter (mm) | 0.80 | 0.80 | 0.43 | 0.83 | 0.86 |
| Jacket | Material | FEP | FEP | PFA | FEP | FEP |
| | Diameter (mm) | 1.05 | 1.18 | 0.53 | 1.10 | 1.50 |
| Impedance | (Ohm) | 50 +/- 5 | 50 +/- 5 | 50 +/- 5 | 75 +/- 7.5 | 95 +/- 10 |
| Cut off frequency | (GHz) | 3 | 3 | 3 | 3 | 3 |
| Capacitance | (pF/m) | 94 | 94 | 95 | 67 | 51 |
| Screening Factor | (dB) | 50 | 50 | 50 | 50 | 50 |
| Attenuation (db/100m) | @ 0.5 GHz | 165 | 190 | 240 | 135 | 97 |
| | @ 1.0 GHz | 240 | 280 | 380 | 210 | n.a. |
| Weight | (kg/km) | 3 | 3 | 0.8 | 3 | 5 |
| Bendingradius | (mm) | 10 | 10 | 10 | 10 | 10 |
| max. operating temperature | (°C) | -55/+165 | -55/+165 | -55/+165 | -55/+165 | -55/+165 |

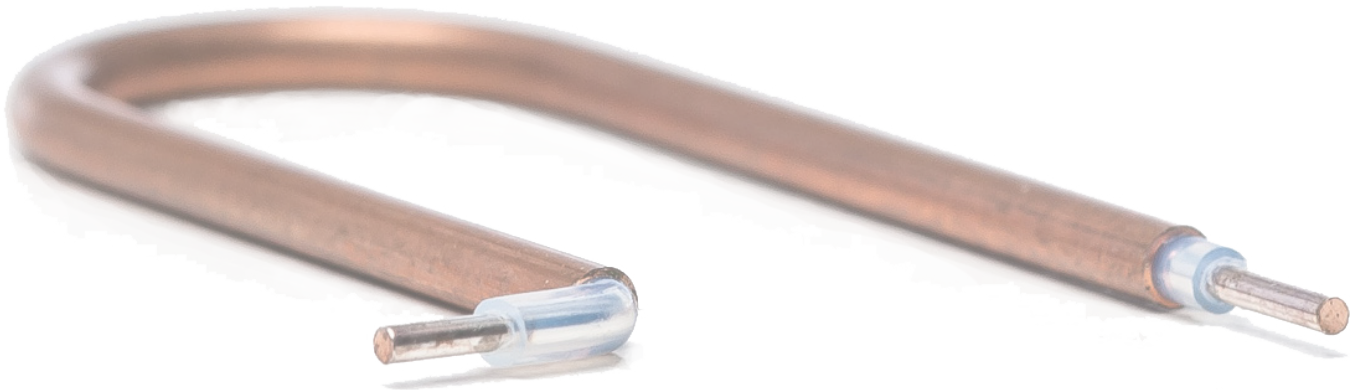


Subminiature flexible, double shielded

| Description | | MK5002DS-BB | MK5002DS-FB |
|----------------------------|---------------|---------------|-------------------|
| Order Number | | 15978 | 15979 |
| Inner Conductor | Material | CuAg (strand) | CuAg (strand) |
| | Diameter (mm) | 0.19 | 0.19 |
| Dielectric | Material | PFA | PFA |
| | Diameter (mm) | 0.51 | 0.51 |
| Outer Conductor | Material | CuAg + CuAg | CuAg + Al-PR Foil |
| | Diameter (mm) | 1.07 | 1.00 |
| Jacket | Material | FEP | FEP |
| | Diameter (mm) | 1.45 | 1.30 |
| Impedance | (Ohm) | 50 +/- 5 | 50 +/- 5 |
| Cut off frequency | (GHz) | 3 | 3 |
| Capacitance | (pF/m) | 94 | 94 |
| Screening Factor | (dB) | 75 | 90 |
| Attenuation (db/100m) | @ 0.5 GHz | 190 | 190 |
| | @ 1.0 GHz | 280 | 280 |
| Weight | (kg/km) | 6 | 6 |
| Bendingradius | (mm) | 10 | 10 |
| max. operating temperature | (°C) | -55/+165 | -55/+165 |

Subminiature flexible triaxial

| Description | | MKTR5001 | MKTR5002 |
|----------------------------|---------------|---|---|
| Order Number | | 15991 | 15993 |
| Inner Conductor | Material | CuAg | CuAg (strand) |
| | Diameter (mm) | 0.16 | 0.19 |
| Dielectric | Material | PTFE | PFA |
| | Diameter (mm) | 0.52 | 0.51 |
| Outer Conductor | Material | 1 st + 2 nd Outer Conductor: CuAg | 1 st + 2 nd Outer Conductor: CuAg |
| | Diameter (mm) | 1 st OC: 0.85 / 2 nd OC: 1.30 | 1 st OC: 0.85 / 2 nd OC: 1.47 |
| Jacket | Material | PFA | FEP |
| | Diameter (mm) | 1.60 | ca. 1.85 |
| Impedance | (Ohm) | 50 +/- 5 | 50 +/- 5 |
| Cut off frequency | (GHz) | 3 | 3 |
| Capacitance | (pF/m) | 94 | 94 |
| Screening Factor | (dB) | 75 | 75 |
| Attenuation (db/100m) | @ 0.5 GHz | 165 | 190 |
| | @ 1.0 GHz | 240 | 280 |
| Weight | (kg/km) | 3 | 6 |
| Bendingradius | (mm) | 10 | 10 |
| max. operating temperature | (°C) | -55/+165 | -55/+165 |
| Intermediate layer of FEP | | | |



Subminiature Semirigid

| Description | | CR34 | CR47 |
|----------------------------|---------------|---------------|---------------|
| Order Number | | 14758 | 14767 |
| Inner Conductor | Material | StCuAg | StCuAG |
| | Diameter (mm) | 0.20 +/- 0.02 | 0.29 +/- 0.02 |
| Dielectric | Material | PTFE | PTFE |
| | Diameter (mm) | 0.66 | 0.94 |
| Outer Conductor | Material | Cu (solid) | Cu (solid) |
| | Diameter (mm) | 0.86 +/- 0.03 | 1.19 +/- 0.03 |
| Jacket | Material | no jacket | |
| | Diameter (mm) | | |
| Impedance | (Ohm) | 50 | 50 |
| Cut off frequency | (GHz) | 110 | 109 |
| Capacitance | (pF/m) | 95.1 | 95.1 |
| Screening Factor | (dB) | 100 | 100 |
| Attenuation (db/100m) | @ 0.5 GHz | 112 | 79 |
| | @ 1.0 GHz | 158 | 112 |
| Weight | (kg/km) | 3.1 | 5.7 |
| Bendingradius | (mm) | 1.5 | 1.5 |
| max. operating temperature | (°C) | up to +125 | up to +150 |



CABLE BENEFITS

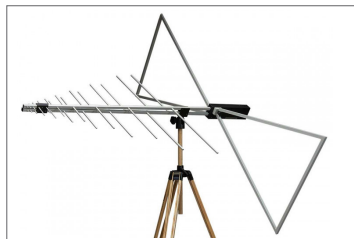
- ✓ Premium space saving solution
- ✓ High flexibility
- ✓ Light weight
- ✓ Temperature-resistant dielectric (PTFE)
- ✓ Excellent soldering characteristics



OUR SUBMINIATUR CABLES ARE BEING USED IN A VARIETY OF APPLICATIONS



Military -Sensitive Radar



Customized Solutions



Signaling Systems - Drone



Connecting cable in kyrogenic environment / sensor cable in particle accelerator



Connection cable for computer tomographs, hearing and visual aids



Connection cable for high-quality sensible sensors



Connection cable for 5G antenna technology

SUITABLE CONNECTORS

| Cable | Connector | Frequency |
|---------|---|-----------|
| MK5001 | SMP (female) straight | 3G |
| MK5001 | SMA (male) straight | 1G |
| MMK5001 | SMP / SMA | 1G |
| CR034 | SMA (male) | 18G |
| CR047 | SMA | 18G |
| CR047 | SMP (female) SMPmini (female) 2.92mm | 40G |
| CR047 | SMP (male) | 40G |



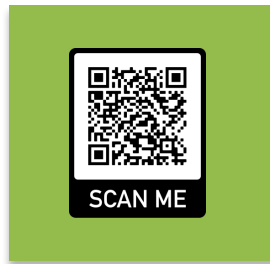
CORE VALUES

- Connectors
- Coaxial Cables
- In-House Production
- Research and Development
- Quality made by elspec in Bavaria
- 50 years of experience
- Delivery within 3 work days

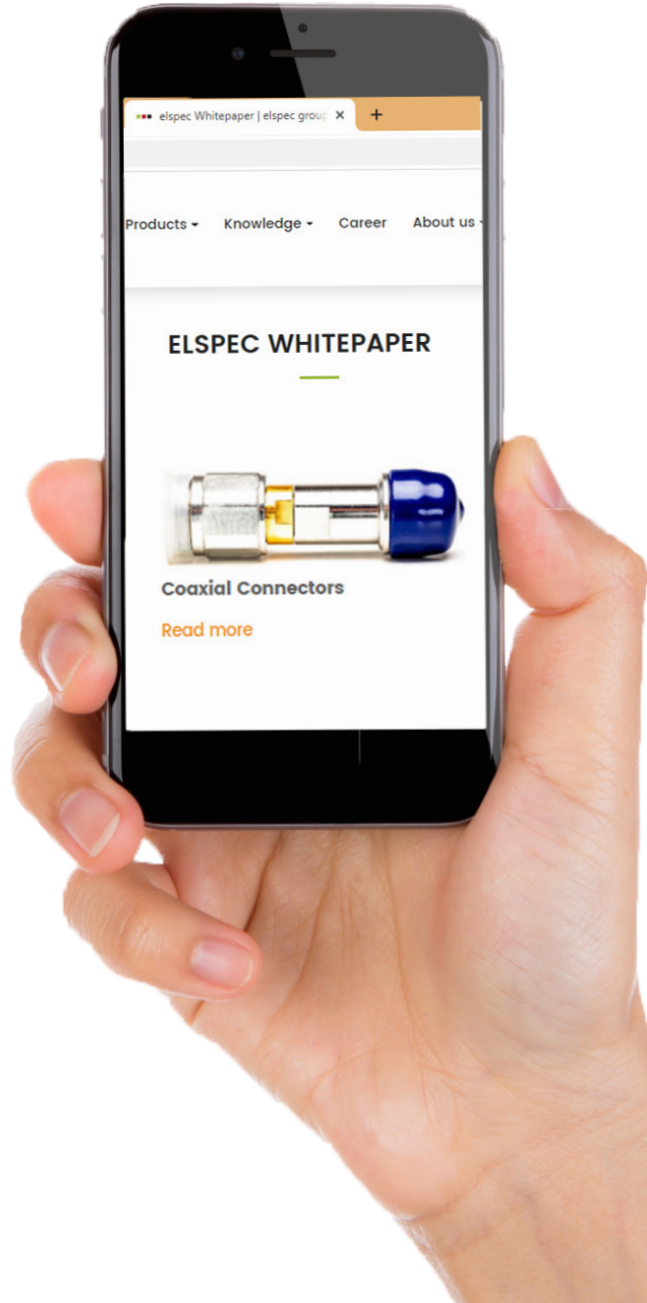
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Stay **up-to-date** and read our **Whitepapers** to learn more about the wide world of Low Loss.

Optimally choosing your measuring cables. The optimum measuring cable is not found by accident but is chosen after precise consideration of all relevant criteria. How to pose the right questions, whether „more expensive“ equals „better“, etc. – we have put this together for you.

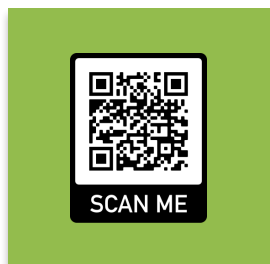


FOR WHITEPAPER



— ELSPEC | VIDEOS & TIPPS

7 simple assembly steps, for the perfect connection with a lose loss coaxial cable.



WATCH ON YOUTUBE

