

Subject of the Order - for Part 2 and for Part 3

Subject of the order: Delivery of the **LMR240** and **LMR240PS** coaxial cables with the male **SMA** connectors (straight and angular). Areas where connector is attached to the wire should be secured with the heat shrink pipes.

| No. | Configuration | Conn. 1 | Conn. 2 | Wire type | Cable length [mm] | Amount | Subject of the Order |
|-----|---------------|----------|----------|-----------|-------------------|--------|----------------------|
| 1 | A | straight | angular | LMR240PS | 390 | 150 | for Part 3 |
| 2 | A | straight | angular | LMR240 | 390 | 500 | for Part 2 |
| 3 | B | straight | straight | LMR240 | 350 | 100 | |
| 4 | A | straight | angular | LMR240 | 700 | 80 | |
| 5 | A | straight | angular | LMR240 | 1100 | 150 | |
| 6 | A | straight | angular | LMR240 | 1550 | 150 | |
| 7 | A | straight | angular | LMR240 | 1600 | 60 | |
| 8 | A | straight | angular | LMR240 | 1700 | 60 | |
| 9 | A | straight | angular | LMR240 | 1800 | 60 | |
| 10 | B | straight | straight | LMR240 | 1900 | 20 | |



Fig.1 Configuration „A”



Fig.2 Configuration „B”

The Contracting Authority admits equivalent/ substitute solutions for Part 2 and Part 3.

By equivalence is meant that they will guarantee that the order will be realised in accordance with the description of the subject of the contract and that they will ensure that the technical parameters are not worse than those required. The Ordering Party, allowing for equivalence of products, specifies the range of required parameters:

- For Part 2 - Replacement LMR-240 with parameters:

| | |
|---|-------------------------------|
| Replacement LMR-240 with parameters: | |
| Operating temperature | from -10 deg. C to +70 deg. C |
| Impedance | from 47,5 Ohm to 52,5 Ohm |
| Inner conductor resistance (100m, DC) | < 1,5 Ohm |
| Outer conductor resistance (100m, DC) | < 1,5 Ohm |
| Capacitance | < 85 pF/m |
| Inductance | < 0,25 uH/m |
| Dielectric strength | >1000V DC |
| Velocity of propagation (% , relative to light speed) | >75% |
| Peak power rating | > 5kW |
| Cutt off frequency (GHz) | > 30 GHz |
| Max. attenuation at 352 MHz | < 20 dB/100m |
| Max. attenuation at 704 MHz | < 26 dB/100m |
| Minimum bending radius | < 20 mm |
| Total external cable diameter | < 7,5 mm |

- For Part 3 - Replacement LMR-240PS with parameters:

| | |
|--|-------------------------------|
| Replacement LMR-240PS: | |
| Operating temperature | from -10 deg. C to +70 deg. C |
| Impedance | from 47,5 Ohm to 52,5 Ohm |
| Inner conductor resistance (100m, DC) | < 1,5 Ohm |
| Outer conductor resistance (100m, DC) | < 1,5 Ohm |
| Capacitance | < 85 pF/m |
| Inductance | < 0,25 uH/m |
| Dielectric strength | >1000V DC |
| Velocity of propagation (% , relative to light speed) | >75% |
| Peak power rating | > 5kW |
| Cutt off frequency (GHz) | > 30 GHz |
| Max. attenuation at 352 MHz | < 20 dB/100m |
| Max. attenuation at 704 MHz | < 26 dB/100m |
| Minimum bending radius | < 20 mm |
| Total external cable diameter | < 7,5 mm |
| Phase change with temperature change from -10 deg C to +70 deg C | < 75 fs/deg.C/m (1,3GHz) |

Other requirements unchanged.

