



| Typ/type Art.No./part-no. | 6 A/U 56000006 | 8 /U 56000008 | 11 A/U | 58 C/U 56000058 | 59 B/U 56000059 | 62 A/U 56000062 | 71 B/U 56000071 |
|--|-------------------------------|------------------------------------|------------------------------|------------------------------|-------------------------------|---------------------------------|---|
| Wellenwiderstand Impedance \square | 75 ± 3 | 50 ± 2 | 75 ± 3 | 50 ± 2 | 75 ± 3 | 93 ± 3 | 93 ± 5 |
| Innenleiter/inner conductor Type: type: | Staku-blank plain steel Cu | Cu-blank Copper-blank 7x0,72 | Cu-verzinkt tinned copper | Cu-verzinkt tinned copper | Staku-blank plain steel CU | Staku-blank plain steel CU | Staku-blank plain steel CU |
| Aufbau / construction: Ø mm: | 1x0,72 0,72 | | 7x0,40 1,2 | 19x0,18 0,9 | 1x0,575 0,6 | 1x0,65 0,65 | 1x0,65 0,65 |
| Außenleiter: outer conductor: | Geflecht braid | Geflecht braid | Geflecht braid | Geflecht braid | Geflecht braid | Geflecht braid | 1xGeflecht CU- blank 1xplain copper braid |
| Geflecht: braid | Cu-versilbert plain copper | Cu-blank plain copper | Cu-blank plain copper | Cu-verzinkt tinned copper | Cu-blank plain copper | Cu-blank plain copper | 1xGeflecht Cu-verzinkt 1xtinned copper braid |
| Außendurchmesser in mm / outer diameter in mm: | 8,4 | 9,5 | 10,3 | 4,95 | 6,15 | 6,15 | 6,5 |
| CU-Inhalt kg/100 m. / copper weight kg/100 m. | 6,7 | 6,2 | 5,55 | 1,91 | 2,5 | 2,4 | 4,6 |
| Gewicht kg/ 100 m. / weight kg / 100 m | 11,3 | 12,8 | 14,6 | 3,8 | 5,7 | 5,2 | 6,2 |
| Mantel / outer sheath: Typ / type: | PVC | PVC | PVC | PVC | PVC | PVC | PE |
| Farbe: colour: | schwarz black | schwarz black | schwarz black | schwarz black | schwarz black | schwarz black | schwarz black |
| Isolierung / insulation: Typ/type: Ø mm | LD-PE 4,7 | LD-PE 6,4 | LD-PE 7,24 | LD-PE 2,95 | LD-PE 3,71 | LD-PE/Luft LD-PE/air 3,71 | LD-PE/Luft LD-PE/air 3,71 |
| Frequenz/frequency GHz: | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Prüfspannung / test voltage 50 Hz kV | 7 | | 10 | 5 | 7 | 3 | 2 |
| Kapazität / capacitance pF/m | 68 | 101 | 67 | 101 | 67 | 42,5 | 42,5 |
| Betriebsspannung / nominal voltage max. kV | 2,8 | 5,1 | 5,2 | 2,5 | 3,5 | 1,1 | 1,5 |
| Dämpfung / attenuation dB/100 m. (bei/at 20°C) bei/at: | | | | | | | |
| 100 MHz | 8,8 | 8,0 | 7,5 | 17,0 | 11,5 | 10,5 | 10,5 |
| 200 MHz | 13,5 | 10,8 | 11,0 | 24,0 | 16,5 | 15,0 | 15,0 |
| 500 MHz | 21,0 | 17,0 | 18,5 | 39,0 | 27,0 | 24,5 | 24,5 |
| 800 MHz | 27,5 | 25,0 | 24,0 | 51,0 | 35,0 | 35,0 | 32,5 |
| Isolationswiderstand / insulation resistance min. M Ohm/km | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ |
| Verkürzungsfaktor / Propagation velocity v/c | 0,66 | 0,66 | 0,66 | 0,66 | 0,66 | 0,83 | 0,83 |
| Fortpflanzungsge- schwindigkeit / Propagation rate % | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| Schleifenwiderstand / Loop resistance max. \square /km | 11 | 17 | 23 | 53 | 171 | 13 | 136 |
| Biegeradius / banding radius mm | 40 | 50 | 50 | 25 | 30 | 30 | 30 |
| Temperaturbereich / temperature range C° | -35° - +80° | -35° - +80° | -35° - +80° | -35° - +80° | -35° - +80° | -35° - +80° | -50° - +70° |
| Spannungsfestigkeit / dielectric strength 50Hz kV | 7,0 | 9,5 | 10 | 5,0 | 7,0 | 3,0 | 3,0 |

| Typ/type Art.No./part-no. | 174 A/U 56000174 | 178 B/U 56000178 | 179 B/U | 180 B/U 56000180 | 187 A/U 56000187 | 213 U 56000213 | 214 U 56000214 |
|--|--------------------------------|--|--|--|--|--------------------------|--|
| Wellenwiderstand Impedance \square | 50 ± 2 | 50 ± 2 | 75 ± 3 | 95 ± 5 | 95 ± 5 | 50 ± 2 | 50 ± 2 |
| Innenleiter/inner conductor Type: type: | Staku-blank plain steel Cu | Staku-versilb Silver plated steel copper | Staku-versilb Silver plated steel copper | Staku-versilb Silver plated steel copper | Staku-versilb Silver plated steel copper | CU-blank plain CU | CU-versilbert Silver plated copper |
| Aufbau / construction: Ø mm: | 7x0,16 0,5 | 7x0,10 0,3 | 7x0,10 0,3 | 7x0,10 0,3 | 7x0,10 0,3 | 7x0,75 2,3 | 7x0,75 2,3 |
| Außenleiter: outer conductor: | Geflecht braid | Geflecht braid | Geflecht braid | Geflecht braid | Geflecht braid | 2xGeflecht 2xbraid | 2xGeflecht 2xbraid |
| Geflecht:: braid | Cu-versilbert tinned copper | Cu-versilbert silver plated copper | Cu-versilbert silver plated copper | Cu-versilbert silver plated copper | Cu-versilbert silver plated copper | Cu-blank plain copper | Cu-versilbert silver plated CU |
| Außendurchmesser in mm / outer diameter in mm: | 2,8 | 1,8 | 2,54 | 3,7 | 2,65 | 10,3 | 10,8 |
| CU-Inhalt kg/100 m. / copper weight kg/100 m. | 0,7 | 0,64 | 0,73 | 1,1 | 0,85 | 7,9 | 11,9 |
| Gewicht kg/ 100 m. / weight kg / 100 m | 1,1 | 0,8 | 1,65 | 2,8 | 1,7 | 15,9 | 19,8 |
| Mantel / outer sheath: Typ / type: | PVC | FEP | FEP | FEP | PFA | PVC | PE |
| Farbe: colour: | schwarz black | schwarz black | schwarz black | braun brown | weiß white | schwarz black | schwarz black |
| Isolierung / insulation: Typ/type: Ø mm | LD-PE | PTFE | PTFE | PTFE | PTFE | LD-PE | LD-PE |
| | 1,52 | 0,86 | 1,6 | 2,6 | 1,6 | 7,24 | 7,24 |
| Frequenz/frequency GHz: | 3 | 3 | 3 | 3 | 3 | 3 | 11 |
| Prüfspannung / test voltage 50 Hz kV | 4,5 | 2 | 2 | 2 | 2 | 10 | 10 |
| Kapazität / capacitance pF/m | 101 | 93 | 63 | 50 | 64 | 101 | 101 |
| Betriebsspannung / nominal voltage max. kV | 1,6 | 1,1 | 0,9 | 1,6 | 1,3 | 5,2 | 5,2 |
| Dämpfung / attenuation dB/100 m. (bei/at 20°C) bei/at: | | | | | | | |
| 100 MHz | 30,0 | 43,0 | 28,0 | 2,8 - 1 MHz | 2,5 - 1 MHz | 7,0 | 7,0 |
| 200 MHz | 45,0 | 62,0 | 41,0 | 7,2 10 MHz | 8,5 10 MHz | 10,2 | 10,2 |
| 500 MHz | 73,0 | 102,0 | 69,0 | 20,0 100 MHz | 28,0 100 MHz | 17,0 | 17,0 |
| 800 MHz | 93,0 | 134,0 | 92,0 | 38,0 400 MHz | 56,0 400 MHz | 23,0 | 23,0 |
| Isolationswiderstand / insulation resistance min. M-Ohm/km | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ |
| Verkürzungsfaktor / Propagation velocity v/c | 0,66 | 0,70 | 0,66 | 0,70 | 0,70 | 0,66 | 0,66 |
| Fortpflanzungsge- schwindigkeit / Propagation rate % | 67 | 70 | 70 | 70 | 70 | 67 | 100 |
| Schleifenwiderstand / Loop resistance max. \square /km | 360 | 860 | 840 | 840 | 840 | 10 | 10,5 |
| Biegeradius / banding radius mm | 15 | 10 | 15 | 20 | 15 | 50 | 50 |
| Temperaturbereich / temperature range °C | 35° +80° | 55° +200° | 55° +200° | 55° +200° | 55° +200° | 35° +80° | 35° +80° |
| Spannungsfestigkeit / dielectric strength 50Hz kV | 2 | 2 | 2 | 2 | 2 | 10 | 10 |

| Typ/type Art.No./part-no. | 215 U 56000215 | 216 U 56000216 | 217 U 56000217 | 218 U 56000218 | 223 U 56000223 | 316 U 56000316 |
|--|--------------------------|---------------------------|--------------------------|--------------------------|--|--|
| Wellenwiderstand <i>Impedance</i> □ | 50 ± 2 | 75 ± 3 | 50 ± 2 | 50 ± 2 | 50 ± 2 | 50 ± 2 |
| Innenleiter/inner conductor Type: type: | CU-blank plain copper | CU-verzinkt. tinned CU | CU-blank plain copper | CU-blank plain copper | CU-versilbert silver-plated CU | Staku-versilbert silver-plated-steel- CU |
| Aufbau / construction: Ø mm: | 7x0,75 2,3 | 7x0,40 1,2 | 1x2,70 2,7 | 1x4,95 5,0 | 11x0,9 0,9 | 7x0,17 0,51 |
| Außenleiter: outer conductor: | Geflecht: braid | 2XGeflecht 2Xbraid | 2XGeflecht 2Xbraid | Geflecht braid | 2XGeflecht 2Xbraid | Geflecht braid |
| Geflecht:: braid | Cu-blank plain copper | Cu-blank plain copper | Cu-blank plain copper | Cu-blank plain copper | Cu-versilbert silver plated copper | Cu-versilbert silver plated copper |
| Außendurchmesser in mm / outer diametre in mm: | 10,3 | 10,8 | 13,84 | 22,10 | 5,38 | 2,5 |
| CU-Inhalt kg/100 m. / copper weight kg/100 m. | 14,8 | 10,7 | 18,7 | 34,8 | 4,2 | 0,85 |
| Gewicht kg/ 100 m. / weight kg / 100 m | 30 | 17,6 | 30 | 71 | 6 | 1,5 |
| Mantel / outer sheath: Typ / type: | PVC | PVC | PVC | PVC | PVC | FEP |
| Farbe: colour: | schwarz black | schwarz black | schwarz black | schwarz black | schwarz black | schwarz black |
| Isolierung / insulation: Typ/type: Ø mm | LD-PE 7,24 | LD-PE 7,24 | LD-PE 9,4 | LD-PE 17,3 | LD-PE 2,95 | PTFE 1,52 |
| Frequenz/frequency GHz: | 3 | 3 | 3 | 3 | 12,4 | 3 |
| Prüfspannung / test voltage 50 Hz kV | 10 | 10 | 12 | 22 | 5 | 2 |
| Kapazität / capacitance pF/m | 101 | 67 | 101 | 101 | 101 | 95 |
| Betriebsspannung / nominal voltage max. kV | 3,7 | 5,2 | 8,0 | 8,0 | 2,0 | 1,3 |
| Dämpfung / attenuation dB/100 m. (bei/at 20°C) bei/at: | | | | | | |
| 100 MHz | 7,0 | 7,5 | 4,8 | 2,9 | 17,0 | 28,0 |
| 200 MHz | 10,2 | 11,0 | 7,1 | 4,5 | 23,0 | 40,0 |
| 500 MHz | 17,0 | 18,5 | 12,3 | 8,1 | 38,0 | 68,0 |
| 800 MHz | 23,0 | 24,0 | 16,8 | 11,2 | 50,0 | 90,0 |
| Isolationswiderstand / insulation resistance min. M Ohm/km | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ | 10 ⁵ |
| Verkürzungsfaktor / Propagation velocity v/c | 0,66 | 0,66 | 0,66 | 0,66 | 0,66 | 0,66 |
| Fortpflanzungsge- schwindigkeit / Propagation rate % | 100 | 67 | 100 | 100 | 67 | 70 |
| Schleifenwiderstand / Loop resistance max. □/km | 10 | 21 | 5,5 | 2,2 | 36 | 310 |
| Biegeradius / banding radius mm | 70 | 50 | 70 | 110 | 25 | 15 |
| Temperaturbereich / temperature range C° | -35° - +80° | -35° - +80° | -35° - +80° | -35° - +80° | -35° - +80° | -35° - +80° |
| Spannungsfestigkeit / dielectric strength 50Hz kV | 10 | 10 | 10 | 15 | 5 | 2 |