

Automation,  
data and tele-  
communication  
cables

## VMOHBU

Outdoor telecommunication cable



### Construction

Conductor . . . . . annealed copper wire  
Insulation . . . . . PE  
Twinning . . . . . two insulated conductors in a pair  
Signal wire . . . . . red, insulated conductor  
Filling compound . . special jelly  
Screen . . . . . aluminium laminate  
Sheath . . . . . black PE

### Electric properties (+20°C)

|                                    |                                    |                                     |              |              |     |
|------------------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----|
| Number of pairs in cable           |                                    | 50 and more                         | less than 50 |              |     |
| Mutual capacitance maximum         | μF/km                              | 45                                  | 46           |              |     |
| Mutual capacitance max average     | μF/km                              | 40                                  | -            |              |     |
| Diameter of conductor              | mm                                 | 0,8                                 |              |              |     |
| Resistance unbalance maximum       | %                                  | 2                                   |              |              |     |
| Diameter of conductor              | mm                                 | 0,4                                 | 0,5          | 0,6          | 0,8 |
| Loop resistance max                | Ω/km                               | 300                                 | 192          | 134          | 74  |
| Loop resistance max average        | Ω/km                               | 288                                 | 184          | 128          | 71  |
| Insulation resistance 500 V, 1 min |                                    |                                     |              |              |     |
| Minimum                            | GΩ km                              | 2                                   |              |              |     |
| Diameter of conductor              | Capacitance unbalance pair-to-pair | Capacitance unbalance pair-to-earth |              |              |     |
|                                    | maximum                            | 95% of values                       | maximum      | 95% of value |     |
| mm                                 | pF/500 m                           | pF/500 m                            | pF/500 m     | pF/500 m     |     |
| 0,4-0,6                            | 250                                | 150                                 | -            | -            |     |
| 0,8                                | 180                                | 100                                 | 1700         | 1000         |     |

| Conductor number and diameter | EAN code    | Nominal sheath thickness | Nominal outer diameter | Nominal cable mass | Standard delivery length |
|-------------------------------|-------------|--------------------------|------------------------|--------------------|--------------------------|
| mm                            | 64 100+     | mm                       | mm                     | kg/km              | m                        |
| 100 x 2 x 0,4                 | 02 565 08-9 | 2,2                      | 24                     | 600                | 1000                     |
| 200 x 2 x 0,4                 | 02 565 09-6 | 2,4                      | 33                     | 1150               | 1000                     |
| 300 x 2 x 0,4                 | 02 565 11-9 | 2,6                      | 38                     | 1600               | 1000                     |
| 400 x 2 x 0,4                 | 02 565 12-6 | 2,6                      | 43                     | 2100               | 1000                     |
| 600 x 2 x 0,4                 | 02 565 13-3 | 2,8                      | 52                     | 3000               | 500                      |
| 800 x 2 x 0,4                 | 02 565 14-0 | 3                        | 58                     | 3850               | 500                      |
| 1200 x 2 x 0,4                | 02 565 16-4 | 3                        | 71                     | 5700               | 500                      |
| 3 x 2 x 0,5                   | 02 563 21-4 | 2                        | 9,7                    | 80                 | 1000                     |
| 5 x 2 x 0,5                   | 02 564 74-7 | 2                        | 11                     | 105                | 1000                     |
| 10 x 2 x 0,5                  | 02 564 75-4 | 2                        | 12,5                   | 145                | 1000                     |
| 20 x 2 x 0,5                  | 02 564 76-1 | 2                        | 15,5                   | 235                | 1000                     |
| 30 x 2 x 0,5                  | 02 564 77-8 | 2                        | 17,5                   | 315                | 1000                     |
| 50 x 2 x 0,5                  | 02 564 78-5 | 2                        | 22                     | 480                | 1000                     |
| 100 x 2 x 0,5                 | 02 564 79-2 | 2,2                      | 28                     | 860                | 1000                     |
| 200 x 2 x 0,5                 | 02 564 80-8 | 2,4                      | 39                     | 1650               | 1000                     |
| 300 x 2 x 0,5                 | 02 564 81-5 | 2,4                      | 45                     | 2350               | 1000                     |
| 400 x 2 x 0,5                 | 02 564 82-2 | 2,6                      | 52                     | 3050               | 500                      |
| 600 x 2 x 0,5                 | 02 564 83-9 | 3                        | 62                     | 4500               | 500                      |
| 800 x 2 x 0,5                 | 02 564 84-6 | 3,2                      | 71                     | 5900               | 500                      |
| 5 x 2 x 0,6                   | 02 565 43-0 | 2                        | 12                     | 130                | 1000                     |
| 10 x 2 x 0,6                  | 02 565 44-7 | 2                        | 14                     | 185                | 1000                     |
| 20 x 2 x 0,6                  | 02 565 45-4 | 2                        | 17,5                   | 305                | 1000                     |
| 30 x 2 x 0,6                  | 02 565 46-1 | 2                        | 21                     | 425                | 1000                     |
| 50 x 2 x 0,6                  | 02 565 47-8 | 2                        | 25                     | 630                | 1000                     |
| 100 x 2 x 0,6                 | 02 565 48-5 | 2,2                      | 33                     | 1200               | 1000                     |
| 200 x 2 x 0,6                 | 02 565 62-1 | 2,6                      | 46                     | 2300               | 1000                     |
| 300 x 2 x 0,6                 | 02 565 63-8 | 2,6                      | 54                     | 3300               | 500                      |
| 400 x 2 x 0,6                 | 02 565 64-5 | 2,6                      | 63                     | 4400               | 500                      |
| 10 x 2 x 0,8                  | 02 565 50-8 | 2                        | 16,5                   | 275                | 1000                     |
| 20 x 2 x 0,8                  | 02 565 51-5 | 2                        | 22                     | 480                | 1000                     |
| 30 x 2 x 0,8                  | 02 565 52-2 | 2                        | 25                     | 680                | 1000                     |
| 50 x 2 x 0,8                  | 02 565 53-9 | 2,2                      | 32                     | 1100               | 1000                     |
| 100 x 2 x 0,8                 | 02 565 54-6 | 2,4                      | 42                     | 2000               | 1000                     |
| 3 x 2 x 1,0                   | 02 565 03-4 | 2                        | 14                     | 185                | 1000                     |