

# CAN • Electrical Requirements

Transmission rate, cable length, cross section

| Transmission rate<br>kBit / s | Bus length<br>m | Cross section<br>mm <sup>2</sup> | Specific cable<br>resistance<br>mΩ/m |
|-------------------------------|-----------------|----------------------------------|--------------------------------------|
| 1.000                         | ≤ 30            | 0,25...0,34                      | < 70                                 |
| 800                           | ≤ 50            | 0,25...0,34                      | < 70                                 |
| 500                           | ≤ 100           | 0,34...0,60                      | < 60                                 |
| 250                           | ≤ 250           | 0,34...0,60                      | < 60                                 |
| 125                           | ≤ 500           | 0,50...0,60                      | < 40                                 |
| 100                           | ≤ 800           | 0,75...0,80                      | < 26                                 |
| 50                            | ≤ 1000          | 0,75...0,80                      | < 26                                 |

