

WG-Datasheet

Cable for fluorescent tube devices and fluorescent tube facilities

Based on EN50143 (DIN VDE 0283 part 1): 2010

TYP G

Usage: Usage to fluorescent tube devices and fluorescent tube facilities with no-load voltage above 1 kV but under 10 kV.

**Mixture are UV – solid enhanced ozone resistance,
and by association laying possible in FREE!
Cold mixtures are elastic,
and by association laying possible at low temperatures.**

Electric quality: nominal voltage U_0/U 5000 / 10000 V
test voltage 15000 V

Construction: conductor: copper, tinned, fine wire (rf) additional to requirements DIN EN 60228, class 5
cross-section: 1,5 mm²
insulating cover: synthetic-mixture extruded in a layer on the conductor
color of the insulating cover: as a rule, YE (yellow)
The synthetic-mixture used by BKW is heavy metal- and DOP –free (compliance with the RL RoHS) and assures a significant higher flexibility in low temperature.

Non-flammability: according to VDE 0482-332-1-2

Test: according to EN50143 table 7 without point 1.3

Tender text: Based on fluorescent tube cable EN50143-G-5000/10000 V
producer: Brandenburger Kabelwerk GmbH
High-tension line (Neon-Light Wire) for fluorescent tube devices and fluorescent tube facilities with no-load voltage above 1 kV but under 10 kV.

Brandenburger Kabelwerk

| 1 | 2 | 3 | | | 6 | 7 | 8 | 9 |
|---------------------------|---|----------------|----------|---------|--------------------|-------------------|------------------|--|
| | | outer diameter | | | | | | |
| construction abbreviation | conductor cross-section mm ² | min. mm | mezzo mm | max. mm | metal number kg/km | standard length m | ca. weight kg/km | Standard color YE (yellow) others on enquiry |
| G | 1,5 | 6,6 | 6,9 | 7,1 | 14,4 | 100 / 1000 | 55 | |