

WG-Datasheet

Cable for fluorescent tube devices and fluorescent tube facilities

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

TYP F



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

Insulating cover: 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)

Drain wire: 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.

Sheath: conductor nominal cross-section 1,5 mm², tinned, soft annealed copper stranded wire. Synthetic-sheath extruded in a layer on the wire.
The sheath can be removed without damage to the drain wire / the insulating cover.
color of the sheath: as a rule, YE (yellow)

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

Test: according to EN50143 table 7 without point 1.3

Tender text: Fluorescent tube cable EN50143-G-5000/10000V
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.

1 construction abbreviation	2 conductor cross-section mm ²	4		5			6 min. mm	7 outer diameter		8 max. mm	9 metal number kg/km	10 standard length m	11 ca. weight kg/km	12 Standard color YE (yellow) others on enquiry
		nominal cross-section mm ²	∅ single wires approximate value mm	drain wire		mezzo								
F ^{a)}	1,5	—	—	8,5	10,0	10,5	14,4	50 / 500		106	50 / 500	120		
	1,5	1,5	0,3	8,5	10,0	10,5	28,8							
a)	The drain wire is alternatively possible for the construction F.													