

## 4. OPTICAL CABLES/ Marking of optical cables according to DIN VDE 0888



### Optical cables marking:

A	-	D	S	F	(ZN)2Y	T	n x 12	E	9/	125	0,36	F	3,5	LG
1		2	3	4	5	6	7	8	9	10	11	12	13	14

**1** I - indoor cables  
A - outdoor cables

**2** V - fibres in semi-tight secondary protection  
W - fiber in tube secondary protection, filled tube  
D - fibres in tube secondary protection, filled tube

**3** S - metallic element in cable tube

**4** F - filling material to fill hollow spaces

**5** Y - PVC cable sheath  
H - halogen-free sheath  
2Y - PE cable sheath  
(ZN)2Y - PE cable sheath with integrated non-metallic pull elements  
(L)2Y - Al laminated PE sheath  
(ZN)B2Y - PE cable sheath with non-metallic rat protection  
(ZN)S2Y - PE cable sheath with metallic rat protection

**6** B - reinforcing  
T - solid structure  
BY - reinforcing with protective PVC sheath  
B2Y - reinforcing with protective PE sheath  
T2Y - self-supporting construction "8" type with supportive element

**7** Number of fibres, number of tubes x number of fibres

**8** E - single-mode fibre  
G - gradient fibre

**9** Core diameter ( $\mu\text{m}$ ), (mode field diameter ( $\mu\text{m}$ ) for single-mode fibre)

**10** Cladding diameter ( $\mu\text{m}$ )

**11** Attenuation in dB/km

**12** Wave length:  
B- 850 nm  
F- 1300/1310 nm  
H- 1550 nm

**13** Bandwidth in MHz.km,  
resp. chromatic dispersion in ps/(nm.km) for single-mode fibres

**14** LG - stranded to layers

