

**PolyFLEX mobile multicore****n x 2 x 0.15 mm² - PVC**

- 0.15 mm² conductor cross section (AWG 26)
- spiral pair shields + tinned stranded drain wire
- extremely flexible

**PVC****12-40 pairs**

The PolyFLEX PF15Y offers outstanding mechanical flexibility and is thus ideal for mobile stage use. This incredible flexibility is guaranteed by four design features. First, the ultra-finely stranded wires (19 x 0.10 mm) and conductor cross-section of 0.15 mm² improve crimp connection quality and maximize the withdrawal force of the wires at the crimp contact. Second, individual pairs are shielded by a flexible spiral shield with drain wire. Third, the individual audio channels are twisted in ultra-short lay length; and finally, the outer jacket is of soft PVC for extreme flexibility. The numbered pair jackets make it easy to assign individual channels. The PVC jacket can accommodate up to 40 pairs.

construction

cond. construction	stranded bare copper, 19 x 0.10 mm
cond. cross section	0.15 mm ²
insulation	polyethylene (PE), blue & transparent
core arrangement	2 cores twisted to a pair
drain wire	stranded tinned copper, 7 x 0.20 mm
taping	polyester-fleece
pair shielding	bare copper spiral shield
pair jacket	PVC, grey, numbered
cable stranding	n pairs twisted in layers
outer jacket	PVC, matt

electric

conductor resistance	135 Ω/km
shield resistance	30 Ω/km
capacitance	
cond./cond.	80 pF/m
cond./shield	140 pF/m
crosstalk attenuation	> 100 (15 kHz) dB
insulation resistance	> 5 GΩ x km
test voltage	
cond./cond.	1000 V
cond./shield	500 V

mechanics

min. bending radius	5x overall diameter
working temperature	-20°C / +70°C

order code	no. of pairs	outer Ø mm	heat of combustion kWh/km	cable color	weight kg/m
PF15Y16	16	15.8	1575	black	0.34
PF15Y24	24	19.4	2149	black	0.52
PF15Y40	40	25.0	3894	black	0.89