

OmniWire AES/EBU studio multicore
n x 2x 0.15 mm² - PVC

- 0.15 mm² conductor cross section (AWG 26)
- extra fine stranded conductors, 19x 0.10 mm
- tinned copper spiral pair shields
- ultra flexible

PVC

The OW15Y OmniWIRE multicore cable is designed for maximum flexibility, with each wire made up of 19 individual wires. Colour coded cores are twisted in pairs and spiral shielded against interference. Shields are surounded by black pair jackets. The OW15Y is available with between two and twenty-four pairs. It complies with the AES/EBU standard and is suitable for analogue and digital audio. The pairs are twisted in layers to ensure the cable retains its structure even under heavy mechanical stress, making it an ideal choice for mobile studio cabling. The OW15Y is enclosed in an ultra-flexible soft PVC outer jacket.

design

cond. construction	stranded tinned copper, 19x 0.10 mm
cond. cross section	0.15 mm²
insulation	foam-skin PE, KLOTZ multicore colour code
pair shielding	tinned copper shield
pair jacket	PVC, black, numbered
cable stranding	n pairs twisted in layers
outer jacket	PVC

mechanical & thermal characteristics

operating temperature	-20°C / +70°C
min. bending radius	
installed	5x overall diameter
mobile use	10x overall diameter
no hazardous substances	acc. to EU directivo RoHS-2 2011/65/EU
CE conformity	acc. to EU directivo LVD 2014/35/EU
REACH conformity	acc. to regulation no. 1907/2006
flame retardancy	acc. to IEC 60332-1-2

electric

conductor resistance	< 130 Ω/km
capacitance	
cond./cond.	50 pF/m
characteristic impedance	110 Ω
nom. attenuation [dB/100m]	
1 MHz	2.4
3 MHz	4.6
4 MHz	5.8
6 MHz	8.7
10 MHz	13.5
20 MHz	24.8
crosstalk attenuation	
15 kHz	> 100 dB
10 MHz	> 50 dB
insulation resistance	> 1 GΩ x km
test voltage	
cond./cond.	1200 V
cond./shield	500 V

order code	no. of pairs	outer Ø mm	cable color	heat of combustion kWh/km	weight kg/m	standard lengths m
OW15Y02	2	8.0	black	410	0,06	10 / 20 / 50 / 100 / 200 / 300
OW15Y04	4	9.2	black	435	0,1	10 / 20 / 50 / 100 / 200 / 300
OW15Y08	8	11.7	black	685	0,16	10 / 20 / 50 / 100 / 200 / 300
OW15Y12	12	15.0	black	1150	0,27	10 / 20 / 50 / 100 / 200 / 300
OW15Y16	16	16.6	black	1260	0,34	10 / 20 / 50 / 100

technical specifications are subject to change

KLOTZ AIS GmbH
Johann-Sebastian-Bach-Str. 36
85591 Vaterstetten / Munich
Tel.: +49.(0)8106.308.0
Fax: +49.(0)8106.308.101
info@klotz-ais.com
klotz-ais.com