

Balanced
High Performance/Double Screen



DESCRIPTION

- Balanced audio cable with a 0.40 mm² cross-section, featuring an inner jacket and double spiral shielding.
- This cable uses OFC copper conductors, polyethylene insulation, OFC copper in both spiral shields, and a flame-retardant UL-PVC outer jacket. This configuration corresponds to a high-end professional cable.
- Its double shielding effectively protects it from electromagnetic interference in environments saturated with waves.
- Additionally, the inclusion of an inner jacket, where the shield is seated, significantly improves mechanical strength while also enhancing the overall construction quality of the cable.

HIGHLIGHTS

OFC
Oxygen Free
Copper

SHIELD
Double
OFC Spiral

PVC UL
Flame
Retardant

RoHS

APPLICATIONS

- Sensitive environments such as recording studios and radio/television stations
- Audio equipment links
- Balanced analog audio connections

CONSTRUCTION

CONDUCTOR	SIZE	1x2x0.40mm² (22AWG)
	COND. MATERIAL	OFC (Oxygen Free Copper)
	CONSTRUCTION	19/Ø0.165±0.008mm
INSULATION	DIAMETER	1.50±0.05mm
	MATERIAL	HDPE (High Density Polyethylene)
	COLOR	Red(RAL3020), White(RAL9010)
COVER	COVER MATERIAL	90P UL-PVC
	COVER DIAMETER	3.80±0.05mm
	COVER COLOR	White (RAL9010)
SHIELD	SPIRAL MATERIAL	OFC (Oxygen Free Copper)
	SPIRAL SHIELD CONSTRUCTION 1	80±2/Ø0.12mm 100% Covering
	SPIRAL SHIELD CONSTRUCTION 2	96±2/Ø0.10mm 100% Covering
JACKET	DIAMETER	6.70±0.10mm
	MATERIAL	80P UL-PVC (WITH RoHS)
	COLOR	Q3-401:BLACK(RAL9005) Q3-401A:BLUE(RAL5005) Q3-401R:RED(RAL3020) Q3-401V:GREEN(RAL6026) Q3-401Y:YELLOW(RAL1018)
PACKING	LABEL	Q3-401, Q3-401A, Q3-401R, Q3-401V, Q3-401Y
	M/SPOOL	100m
	SIZE SPOOL	100m: 280x75x110mm(paper)
JACKET PRINTING	Q3-401 EMELEC VíasCom 1x2x0.40mm² OFC DOUBLE SCREENED (White Ink Ral 9010 in Q3-401, Q3-401A, Q3-401V; Black Ink Ral 9005 Q3-401R, Q3-401Y)	
Ø6.7±0.10mm Product diagram	Picture Packing	

COPIA NO CONTROLADA

PROPERTIES

ELECTRICAL	CONDUCTOR RESISTANCE		48.7 Ω/km, 20°C						
	BRAID RESISTANCE		14.6 Ω/km, 20°C						
	INSULATION RESISTANCE		MIN:500M Ω/km, 20°C						
	DIELECTRIC STRENGTH		AC500V 60Hz/1MIN						
	CAPACITANCE C/C		73.5 pF/m						
	CAPACITANCE C/S		121 pF/m						
	INDUCTANCE		46.7 μH/m						
	FAR END CROSSTALK (FEXT)	Hz	20	40	50	100	500	3000	20000
		dB	-57,3	-52,6	-46	-40,3	-39,1	-40,6	-40,5
	NEAR END CROSSTALK (NEXT)	Hz	20	40	50	100	500	3000	20000
		dB	-39,3	-38,9	-39,1	-38,9	-38,4	-36,9	-33,7
PHYSICAL	FLAME TEST		VW-1 / IEC 60332-1-2 / UNE EN 60332-1-2						
	OPERATING TEMPERATURE		-15°C / +70°C						

ELECTRICAL GRAPHS

