



# DS 37 U 0500

connecting cable IEC-female / IEC-male, 5 m

## Mechanical Data

Length	5,0 m
Bend protection	Shrink tube black
Breaking stress	>130 N Cable / connector
Bending radius	30 mm
Outer jacket material	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)

## Cable construction

Inner conductor material	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)
Dielectric	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet

## Labeling

Character height	3 mm White
Text	(DS37U 0500 105dB WISI YYY,WW)

## IEC connector

IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)
Pull off / push on force IEC	$\geq 40$ N
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)

## Electrical data

Frequency range	5...2400 MHz
Insertion loss at 1006 MHz	<3,0 dB
Insertion loss at 2400 MHz	<4,5 dB
Return loss 5...12 MHz	>25 dB
Return loss 12...300 MHz	>25 dB
Return loss 300...470 MHz	>23 dB
Return loss 470...1006 MHz	>18 dB
Return loss 1006...1700 MHz	>15 dB
Return loss 1700...2400 MHz	>12 dB
Transfer impedance 5...12 MHz	$\leq 2,5$ m $\Omega$ /m
Transfer impedance 12...30 MHz	$\leq 0,9$ m $\Omega$ /m
Screen attenuation 30...1006 MHz	>105 dB
Screen attenuation 1006...2000 MHz	>95 dB
Screen attenuation 2000...2400 MHz	>85 dB
Screen class	A++ except 5...12 MHz