



MAXIMUM DIAMETER 12.5 MM

CABLE CONSTRUCTION		
ITEM	DESCRIPTION	QTY
A	CAT5E SF/UTP ETHERNET CABLE (SOLID BARE COPPER 24AWG, 4PR, FOIL/TCWB SCREEN, LSHF)	1
B	RG179-HF COAXIAL (75 OHM, LSHF)	1
C	0.75SQMM CONDUCTOR (24/0.2, LSZH SHF1 INSULATION)	3
D	0.5 SQMM CONDUCTOR (16/0.2, LSZH SHF1 INSULATION)	2
E	TINNED COPPER WIRE BRAID SCREEN (INCL. FOIL TAPE 100% COVERAGE) + WRAP FIBRE TAPE	
F	LSZH POLYURETHANE OUTER SHEATH (R.T 1.5MM)	

FINISHED CABLE DIAMETER MUST NOT EXCEED 12.5MM

COMPONENT DETAILS :

INSULATED CORE DIAMETER (0.5SQMM)	1.55 MM
INSULATED CORE DIAMETER (0.75SQMM)	1.9 MM
DIAMETER OF COAXIAL	2.55 MM
DIAMETER OF CAT5E CABLE	6.0 MM

PHYSICAL DETAILS :

OVERALL DIAMETER	12.5 MM
LAYED UP SIZE OF CABLE	8.5 MM
R.T. PU SHEATH	1.5 MM
WEIGHT OF CABLE IN AIR	165 KG/KM
WEIGHT OF CABLE IN WATER	44 KG/KM
MINIMUM BEND RADIUS (STATIC)	123 MM
MINIMUM BEND RADIUS (DYNAMIC)	172MM
OPERATING TEMPERATURE	-40°C +80°C

ELECTRICAL CHARACTERISTICS :

<u>0.5SQMM</u>	
WORKING VOLTAGE	500 VOLTS
MAXIMUM CONDUCTOR RESISTANCE	40.1 OHMS/KM
<u>0.75SQMM</u>	
WORKING VOLTAGE	500 VOLTS
MAXIMUM CONDUCTOR RESISTANCE	26.7 OHMS/KM
INSULATION RESISTANCE CORE TO CORE	>500 M/OHMS /KM
INSULATION RESISTANCE CORE TO SHIELD	>500 M/OHMS /KM
INSULATION RESISTANCE SHIELD TO SHIELD	>10 M/OHMS /KM

FLEXIBLE SOLUTIONS FOR HARSH ENVIRONMENTS

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