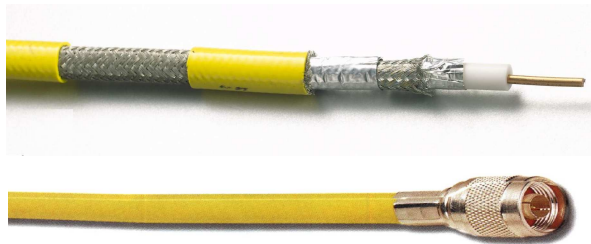


THICK ETHERNET / THIN ETHERNET

These 2 types of cable are typically used as media in Ethernet network defined in the IEEE 802.3 standard and operates using an access method called Carrier Sense Multiple Access with Collision Detection (CSMA/CD). Thinnet cable can be used at 185 m. as maximum length and number of nodes limited at 30 per segment. And the limitations of Thicknet cable are 500 m. with a maximum of 100 nodes, AUI transceivers and drop cables are used to connect devices and bus.



IEEE 802.3, ISO/IEC 8802.3 10 BASE 5 TRUNK CABLES – THICKNET

Part NO.	Description	AWG Dia. in inch. Nom. D.C.R.	No. of Shields & Material D.C.R.	Insulation & Nominal Core OD.		Nominal OD.		Nom imp ohms	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
				inch	mm	inch	mm			pf/ft	pf/m	MHz	db/100ft

(Indoor/outdoor/burial type available)

1112A	AWM 1478 30V 60°C Ethernet	0.855 (2.17 mm) solid bare copper 1.42 Ω/kft 4.66Ω/km	self-adherm foil 94% tinned copper braid + foil 90% tinned copper braid 1.52Ω/kft 5.00 Ω/km	cellular polyethylene		0.405	10.20	50	78%	26	85	1	0.19	0.62
				5	0.37							1.21		
				10	0.52							1.71		
				50	1.20							3.94		
				100	1.70							5.58		
				200	2.55							8.37		
				400	3.90							12.80		
				700	5.50							18.10		
				900	6.50							21.30		
				1000	6.90							22.60		

Product description :
solid bare copper center conductor , cellular PE insulation
Self-adherm foil + 94% tinned copper braid ,both side of foil shield+
90% tinned copper braid , yellow PVC jacket for indoor use , and
included mylar tape for outdoor use and also included H.D. PE
jacket for burial use

