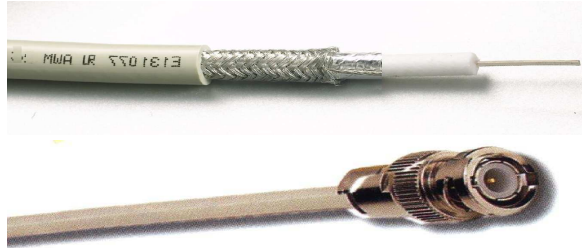


THICK ETHERNET / THIN ETHERNET

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 2 TRUNK CABLES – THICKNET

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

(Indoor/outdoor/burial type available)

5820	AWM 1478 30V 60°C	20 (19 x 32)	self-adherm foil	cellular	0.182	4.7	50	80%	25.4	83.3	1	0.43	1.40		
		20 (19 x 0.20)	93% tinned copper	polyethylene							10	1.30	4.30		
		0.037									50	2.90	9.50		
				0.102							2.59	100	4.20	13.80	
												200	6.10	20.00	
	Ethernet	8.8 Ω/kft 28.9 Ω/km		braid + shielded	Product description : tinned copper center conductor , cellular PE insulation self-adherm foil +90% tinned copper braid . Grey PVC jacket for indoor use , and included mylar tape for outdoor use . and also includes H .D. PE jacket for burial use .								400	8.90	29.20
													700	12.10	39.20
													900	13.90	45.60
													1000	14.80	48.50

