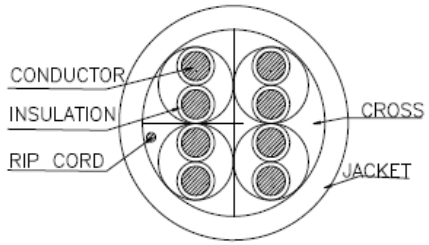
Configuration & physical Characters:		
Type of cable		UTP
Length per reel		1000ft
Number of pairs		4
Field of application		indoor
Category		Cat.6
Flame Rating:		
Conductor	Material	Bare Copper
	Size	23AWG
		1/0.55±0.015 mm
Insulation	Material	HD-PE
	Thickness	MIN at any point: 0.18mm MAX AVG: 0.22mm
	Diameter	0.94± 0.01mm;0.96± 0.01mm;0.98± 0.01mm;1.00± 0.01mm
	Color code	Blue/White-Blue
		Orange/White-Orange
		Green/White-Green
		Brown/White-Brown
	Elongation	MIN 300%
	Tensile strength	MIN 1.682Kg/mm^2
FILLER	CROSS SLOT	4.8x0.45mm
Jacket	Material	CM PVC
	Thickness	MIN at any point: 0.53mm MAX AVG: 0.57mm
	Diameter	6.0±0.2mm
	Colors	GREY
	Aging at 100°C for 168Hrs	MIN ELONGATION RETENTION:50%
		MIN TENSILE STRENGTH RETENTION:75%

Electric Characters:	
1.Spark Test	2000±250VOC
2.Mutual Capacitance	560pF/100m Max
3.Conductor Resistance	MAX 9.38Ω/100m at 20°C
4.Capacitance Unbalance	MAX 330pF/100m
5. Resistance Unbalance	MAX 5%
6.Impedance	100±15Ω



Marking: E213738-Y CM (UL) C(UL) 4P
23AWG UTP CAT6 CONFORM TO
ANSI/TIA-568-C.2 & ISO/IEC 11801 xxxxxM

Premise Cable Electrical Table(TIA Cat 6 Perm.Link)

Freq (Mhz)	Insert loss(dB)	NEXT (dB)	RL (dB)	RCA-N(dB)	ACR-F (dB)	PSNEXT(dB)	PSACRN (dB)	PSACRF(dB)
1	3.0	65.0	19.1	62.0	64.2	62.0	59.0	61.2
4	3.5	64.1	21.0	60.6	52.1	61.8	58.3	49.1
8	5.0	59.4	21.0	54.4	46.1	57.0	52.1	43.1
10	5.5	57.8	21.0	52.3	44.2	55.5	49.9	41.2
16	7.0	54.6	20.0	47.6	40.1	52.2	45.2	37.1
20	7.9	53.1	19.5	45.2	38.2	50.7	42.8	35.2
25	8.9	51.5	19.0	42.7	36.2	49.1	40.2	33.2
31.25	10.0	50.0	18.5	40.0	34.3	47.5	37.6	31.3
62.5	14.4	45.1	16.0	30.8	28.3	42.7	28.3	25.3
100	18.6	41.8	14.0	23.3	24.2	39.3	20.7	21.2
200	27.4	36.9	11.0	9.6	18.2	34.3	7.0	15.2
250	31.1	35.3	10.0	4.2	16.2	32.7	1.6	13.2

Standard:	**ISO/IEC 11801; ANSI/TIA-568-C.2;UL 444**

Test : Perm.Link test by fluke 90+/-5m

RoHS compliant

Unit: mm

Scale	1:1
TOLERANCE	
.X	±0.2
.XX	±0.12
DIM	TOL
Angle	

Id.	Modification	Date	Name
©	Drawn	31.12.2013	Joanna

	Date	Name
Drawn	31.12.2013	Joanna
Approved	31.12.2013	Joanna

ASSMANN WSW components

Customer–No.

ASSMANN WSW–No.
ATU6-P305T-R

Drawing–No.
ASS 7020 CA

rev00

Replace

SHEET