



DEMES KABLO SAN. VE TIC LTD. STI
 Osmangazi Mah. Fevzi Çakmak Cad. No:19
 Esenyurt/Istanbul 34522
 Turkey
 Telephone:
 00 90 212 689 4900

CUSTOMER	:	
DATE	:	07.03.2019
NO	:	1903-034
REV	:	23.07.2019 06

CU/XLPE/SWA/PVC

BS 5467

CONSTRUCTION

CONDUCTOR	Stranded Annealed Copper Conductor (IEC 60288-Class 2)		
INSULATION	XLPE	HD 308 S2	GP8 (BS 7655)
BEDDING	PVC Compound		
ARMOUR	Galvanised Steel Wire (Aluminium Wire for Single Core)		
SHEATH	PVC Compound	Black	Type 9 (BS 7655)

PHYSICAL & ELECTRICAL CHARACTERISTICS

MAX. CONTINUOUS OPERATION TEMPERATURE OF CONDUCTORS	90°C		
MAX. CONDUCTOR TEMPERATURE DURING SHORT CIRCUIT	250°C		
NOMINAL VOLTAGE	600/1000 V		
TEST VOLTAGE	3500 V		
OPERATING TEMPERATURE	Fixed	-30°C ... +90°C	Flexible -5°C ... +90°C
MINIMUM BENDING RADIUS	15 X D		

FIRE PERFORMANCE CHARACTERISTICS

FLAME RETARDANT	IEC 60332-1		

OTHER CHARACTERISTICS

MARKING

DEMES KABLO CU/XLPE/SWA/PVC Number of Cores X CSA Nom. Voltage CE ROHS Batch Number Date Meter Marking

DIMENSIONS

Number of Core and Cross Section Area (mm ²)				Approx. Overall Diameter (mm) (±5%)	Approx. Cable Weight (kg/km)	Max. Conductor Resistance DC at 20°C (Ohm/km)
1	x	25	mm	14,40	433	0,727
1	x	240	mm	30,00	2770	0,0754
1	x	300	mm	33,10	3417	0,0601
1	x	400	mm	38,40	4487	0,047
1	x	500	mm	42,20	5532	0,0366
2	x	1,5	mm	10,40	225	12,1
2	x	2,5	mm	11,90	292	7,41
2	x	4	mm	13,00	354	4,61
2	x	6	mm	14,00	431	3,08
2	x	10	mm	15,80	572	1,83
2	x	16	mm	18,40	843	1,15
2	x	25	mm	21,90	1186	0,727
2	x	35	mm	24,90	1609	0,524
2	x	50	mm	28,50	2074	0,387
2	x	70	mm	35,00	2993	0,268
2	x	95	mm	38,80	3785	0,193
2	x	120	mm	42,60	4527	0,153
3	x	1,5	mm	10,90	251	12,1
3	x	2,5	mm	12,50	328	7,41
3	x	4	mm	13,60	403	4,61
3	x	6	mm	14,70	497	3,08
3	x	10	mm	17,50	757	1,83

DIMENSIONS

Number of Core and Cross Section Area (mm ²)				Approx. Overall Diameter (mm) (±5%)	Approx. Cable Weight (kg/km)	Max. Conductor Resistance DC at 20°C (Ohm/km)
3	x	16	mm	19,60	1013	1,15
3	x	25	mm	23,90	1549	0,727
3	x	35	mm	26,50	1969	0,524
3	x	50	mm	29,70	2500	0,387
3	x	50	sm	28,10	2230	0,387
3	x	70	mm	35,00	3583	0,268
3	x	70	sm	31,00	2968	0,268
3	x	95	mm	39,40	4663	0,193
3	x	95	sm	34,40	4029	0,193
3	x	120	mm	44,30	5997	0,153
3	x	120	sm	37,80	4969	0,153
3	x	150	sm	45,00	6378	0,124
3	x	185	sm	49,80	7699	0,0991
3	x	240	sm	51,90	9549	0,0754
3	x	300	mm	66,00	13376	0,0601
4	x	1,5	mm	11,60	281	12,1
4	x	2,5	mm	13,40	376	7,41
4	x	4	mm	14,60	472	4,61
4	x	6	mm	16,60	662	3,08
4	x	10	mm	18,90	913	1,83
4	x	16	mm	21,20	1228	1,15
4	x	25	mm	26,00	1884	0,727
4	x	35	mm	29,10	2415	0,524
4	x	50	mm	33,60	3322	0,387
4	x	50	sm	29,90	2765	0,387
4	x	70	mm	38,80	4470	0,268
4	x	70	sm	35,00	3974	0,268
4	x	95	mm	44,30	6130	0,193
4	x	95	sm	38,70	5126	0,193
4	x	120	mm	48,80	7438	0,153
4	x	120	sm	43,90	6681	0,153
4	x	150	sm	48,20	7999	0,124
4	x	185	mm	53,00	9619	0,0991
4	x	185	sm	53,00	9655	0,0991
4	x	240	mm	61,30	12389	0,0754
4	x	240	sm	61,30	12388	0,0754
5	x	1,5	mm	12,60	329	12,1
5	x	2,5	mm	14,30	432	7,41
5	x	4	mm	15,70	550	4,61
5	x	6	mm	17,80	773	3,08
5	x	10	mm	20,60	1079	1,83
5	x	16	mm	23,80	1569	1,15
5	x	25	mm	28,40	2252	0,727
5	x	35	mm	31,80	2903	0,524
5	x	50	mm	36,90	4013	0,387
5	x	70	mm	42,60	5392	0,268
6	x	4	mm	17,90	754	4,61
7	x	1,5	mm	13,50	370	12,1
7	x	2,5	mm	15,50	490	7,41
7	x	4	mm	17,70	704	4,61
9	x	1,5	mm	16,60	609	12,1
9	x	2,5	mm	19,30	810	7,41
10	x	2,5	mm	19,80	853	7,41
12	x	1,5	mm	17,60	615	12,1
12	x	2,5	mm	20,50	842	7,41
12	x	4	mm	23,30	1181	4,61
13	x	1,5	mm	18,50	741	12,1
16	x	1,5	mm	19,30	807	12,1
19	x	1,5	mm	20,10	827	12,1
19	x	2,5	mm	24,20	1253	7,41
19	x	4	mm	26,70	1615	4,61
21	x	1,5	mm	22,10	1095	12,1
27	x	1,5	mm	24,10	1196	12,1
27	x	2,5	mm	28,30	1639	7,41
27	x	4	mm	31,80	2187	4,61
37	x	1,5	mm	26,40	1456	12,1
37	x	2,5	mm	31,10	2026	7,41
37	x	4	mm	36,10	2997	4,61
5	x	150	mm	58,60	10808	0,124
5	x	185	mm	64,40	13092	0,0991
4	x	25	sm	25,40	1903	0,727

