

CORRECTION FACTORS FOR AMBIENT TEMPERATURE AND GROUP INSTALLATION

AMBIENT TEMPERATURE			10	15	20	25	30	35	40	45	
IN AIR	PVC	70 °C				1.03	1	0.94	0.87	0.79	
	XLPE	90 °C				1.02	1	0.96	0.91	0.87	
AMBIENT TEMPERATURE				50	55	60	65	70	75	80	
IN AIR	PVC	70 °C		0.71	0.61	0.5					
	XLPE	90 °C		0.82	0.76	0.71	0.65	0.58	0.5	0.41	
AMBIENT TEMPERATURE			10	15	20	25	30	35	40	45	
IN	PVC	70 °C	1.10	1.05	1.00	0.95	0.89	0.84			
GROUND	XLPE	90 °C	1.07	1.04	1.00	0.96	0.93	0.89	0.85	0.80	
GROUP INSTALLATION					Number of Circuits or Multi-Core Cables						
Enclosed in Conduit or in Trunking					2	3	4	5	6	7	8
					0.80	0.70	0.65	0.60	0.57	0.54	0.52
					9	10	12	14	16	18	20
					0.5	0.48	0.45	0.43	0.41	0.39	0.38
GROUP INSTALLATION					Number of Circuits or Multi-Core Cables						
On a Perforated Cable Tray, Single core Single Layer Touching			Touching (Flat)	Horizontal	1	2	3	4	5	6	
				Vertical	0.98	0.91	0.87				
			Spaced* (Trefoil)	Horizontal	0.96	0.86	-				
				Vertical	1.0	0.98	0.96				
			Touching	Horizontal	1.0	0.91	0.89				
				Vertical							
GROUP INSTALLATION					Number of Circuits or Multi-Core Cables						
On a Perforated Cable Tray, Multi-core Layer Vertical or Horizontal			Touching		2	3	4	5	6	7	8
					0.88	0.82	0.77	0.75	0.73	0.73	0.72
			Spaced*	Horizontal	1.0	0.98	0.95	-	0.91	-	-
				Vertical	0.91	0.89	0.88	-	0.87	-	-
			Touching		9	10	12				
					0.72	0.72	0.72				
			Spaced*	Horizontal	-	-	-				
				Vertical	-	-	-				

* " Spaced " means a clearance between adjacent surface of at least one cable diameter (De). Where the horizontal clearances between adjacent cable exceeds 2 x De, no correction factor need to be applied.