

INDUSTRIAL COMMUNICATION NETWORKS –
Installation of communication networks in industrial premises

CORRIGENDUM 1

4.4.3.4.1 Common description

In the list after the equation, instead of:

“ I is the number of connections in the channel;”

Read:

“ i is the number of connections in the channel;”

In the list after the equation, instead of:

“ J is the number of splices in the channel;”

Read:

“ j is the number of splices in the channel;”

4.4.8.2 Specific requirements for CPs

Instead of:

“Additional information regarding earthing and shielding requirements....”

Read:

“Additional information regarding storage and transportation requirements....”

5.2.1.2 Protecting communication cables against potential mechanical damage

Table 17 – Parameters for balanced cables

In the fifth row below the table heading “Characteristic” of Table 17, instead of:

“Maximum lateral forces (N)”

Read:

“Maximum lateral forces (N/cm)”

6.3.1 General

Instead of:

NOTE 2 The term “validation” in this standard has the specific meaning described in 3.1.71.

Read:

NOTE 2 The term “validation” in this standard has the specific meaning described in 3.1.70.

8.3.5 Simplified troubleshooting procedure

In the title of Figure 47, instead of:

“Figure 47 – Fault detection without special tools Further procedure”

Read:

“Figure 47 – Fault detection without special tools”

B.2 Introduction to MICE

In the second paragraph after Figure B.1, instead of:

“ ... >150ms ... ”

Read:

“ ... > 150 ms⁻² ... ”

B.3.1 Common description

In the fourth sentence of the paragraph above Figure B.3, instead of:

“In some cases this may restrict flexibility or may a cost and/or availability issue.”

Read:

“In some cases this may restrict flexibility or may create a cost and/or availability issue.”

B.4 Determining E classification

Table B.3 – Relationship between electromagnetic disturbance generating devices and “E” classification

In Table B.3, instead of:

Electromagnetic disturbance generating device	Distance from cabling	“E” classification
Transmitters (TV, radio, mobile, base station)	< 0,3 km	E ₃
	≥ 0,3 km	E ₁ or E ₂
High HP motors	< 3 m	E ₃
	> 3 m	E ₃
Motor controllers	< 0,5 m	E ₂
	0,5 m to 3 m	E ₂
	> 3 m	E ₁

Read:

Electromagnetic disturbance generating device	Distance from cabling	“E” classification
Transmitters (TV, radio, mobile, base station)	< 1 km	E ₃
	≥ 0,3 km	E ₁ or E ₂
High HP motors	< 3 m	E ₃
	> 3 m	E ₁
Motor controllers	< 0,5 m	E ₃
	0,5 m to 3 m	E ₂
	> 3 m	E ₁

Annex D Connector table

Table D.2 – Connector table

In Table D.2, for the pin-out established for the connector M12-5 B-coding used by CP 6/1 and CP 6/3, instead of:

Connector	PIN CP	1	2	3	4	5	6	7	8	9
		M12-5 B-coding	CP 6/1, CP 6/3	YE	GY	GY	PK	B	na	na

read:

Connector	PIN CP	1	2	3	4	5	6	7	8	9
		M12-5 B-coding	CP 6/1, CP 6/3	YE	GN	GY	PK	BN	na	na

H.2.1 M12-4 D-coding cord sets

Replace the existing title of this subclause by the following title:

“H.2.1 Straight through cord sets with M12-4 D-coding connectors”

Replace, in Figure H.1, the existing title by the following title:

“Figure H.1 – Straight through cord sets with M12-4 D-coding connectors”

H.2.2 M12-4 D-coding crossover cable

Replace the existing title of this subclause by the following title:

“H.2.2 Crossover cord sets with M12-4 D-coding connectors”

Replace, in Figure H.2, the existing title by the following title:

“Figure H.2 – Crossover cord sets with M12-4 D-coding connectors”

H.2.3 8-Way modular connectors

Replace the existing title of this subclause by the following title:

“H.2.3 Straight through cord sets with 8-way modular connectors”

Replace, in Figure H.3, the existing title by the following title:

“Figure H.3 – Straight through cord sets with 8-way modular connectors”

In Table H.3,

in the headings of the third and fifth column, instead of : “Pin” read: “Wire Colour”

in the fourth, fifth, seventh and eighth rows of the second column, instead of: “NA” read: “-

H.2.4 8-way modular crossover cable

Replace the existing title of this subclause by the following title:

“H.2.4 Crossover cord sets with 8-way modular connector”

Replace, in Figure H.4, the existing title by the following title:

“Figure H.4 – Crossover cord sets with 8-way modular connector”

In Table H.4,

in the heading of the third column, instead of: “Pin” read: “Wire Colour”

in the fourth, fifth, seventh and eighth rows of the second column, instead of: “NA1” read “-

I.4 Guidance for M12-4 D-coding connector installation

In item g), instead of: “0,5 mm”

Read: “0,5 cm”

K.2.1 Bit errors

In the last bulleted item, instead of:

“...nominal data rate or 100 Mbit/s.”

Read:

“...nominal data rate of 100 Mbit/s.”

Annex M Trade names of communication profiles

In Table M.1, replace footnote¹² corresponding to HART, by the following footnote:

“HART is a trade name of the HART Communications Foundation. This information is given for the convenience of users of this International Standard and does not constitute an endorsement by IEC of the trademark holder or any of its products. Compliance to this profile does not require use of the trade name. Use of the trade name requires permission of the trade name holder.”