

भारतीय मानक ब्यूरो
(केंद्रीय मुहर विभाग III)

हमारा संदर्भ : सी एम डी - III/16 : IS 16205

24 जुलाई 2019

विषय : आई एस IS 16205 (Part 24):2017 के लिए समूहीकरण दिशानिर्देश

सभी संबंधित पक्षकारों से अनुरोध है कि आई एस 16205 (Part 24):2017 के लिए संलग्न समूहीकरण दिशानिर्देश की अनुपालन सुनिश्चित करें।

अलिस्मिता खाग
वैज्ञानिक बी (सी एम डी-III)

प्रमुख (सी एम डी-III)

सभी क्षेत्रीय /शाखा कार्यालय
प्रतिलिपि : आई टी एस विभाग - बी आई एस इंटरनेट पर डालने हेतू

CENTRAL MARKS DEPARTMENT III

Our Ref: CMD III/16: IS 16205

24 July 2019

Subject: Grouping Guidelines for Certification of “Conduit Systems for Cable Management – Conduit Systems Buried Underground” as per IS 16205(Part 24):2017

All concerned are requested to ensure compliance of the grouping guidelines.

Alismita Khag
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Head (CMD III)

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BUREAU OF INDIAN STANDARDS
(Central Marks Department-III)

Our Ref: CMD-III/16:IS 16205

24 July 2019

Subject: Grouping Guidelines for Certification of “Conduit Systems for Cable Management – Conduit Systems Buried Underground” as per IS 16205(Part 24):2017

1. The parameters as given below shall be considered for grouping of “Conduit Systems for Cable Management – Conduit Systems Buried Underground” as per IS 16205 (Part 24):2017 for GoL/CSoL:
 - i. Conduit Diameter
 - ii. Material – Metallic/ Non-metallic / Composite
 - iii. Resistance to Compression – Type 450 / Type 750
 - iv. Resistance to Impact – Light / Normal
 - v. Resistance to Bending – Rigid / Pliable
 - vi. Resistance to External Influence :
 - (a) Ingress Protection - Min. IP6X for protection against ingress of solid objects and Min. IPX7 for protection against ingress of water
 - (b) Resistance against Corrosion – Without protection/ With protection (classification 1, 2, 3, 4)
 - vii. Resistance to Flame Propagation – Non-flame propagating/ Flame propagating
- a. Conduit systems with lowest and highest size having same other classifications as above shall be tested for covering the entire range.
- b. The following relaxation may be given when a variety is tested for all the requirements:
 - i. If Type 750 is tested, Type 450 may also be covered.
 - ii. If conduit systems with superior degree of protection is tested, conduit systems with lower degree of protection may also be covered.
 - iii. With respect to resistance to Impact, if Normal (N) is tested, Light (L) may also be covered.
 - iv. With respect to Resistance to Corrosion, conduit systems having the most severe classification may be tested to include conduit systems with lower severity.
 - v. If non-flame propagating conduit systems is tested, flame propagating conduit systems may also be covered.

2. The Firm shall declare the varieties of conduit systems they intend to cover in the Licence. The Scope of Licence may be restricted based on the Manufacturing and Testing capabilities of the Manufacturer.
3. During the operation of the Licence, BO shall ensure all the Varieties covered in the Licence are tested in rotation to the extent possible.
4. The scope of the Licence may be given in the following manner:

Product	Conduit Systems for Cable Management – Conduit Systems Buried Underground
Nominal size	
Material	Metallic/ Non-metallic / Composite
Resistance to Compression	Type 450 / Type 750
Resistance to Impact	Light / Normal
Resistance to Bending	Rigid / Pliable
Resistance to External Influence	<ul style="list-style-type: none"> • Ingress Protection – • Resistance against corrosion -
Resistance to Flame Propagation	Non-flame propagating/ Flame propagating

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